

# Converting Colors

XYZ(83.5753, 92.2376,  
109.3760)

Have a look what the booklet for  
XYZ(83.5753, 92.2376, 109.3760)  
contains.

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# Color

**XYZ(83.2876, 92.0617,  
107.9877)**

# Conversions

Conversions Part 1	
Format	Color
Hex	E0FBFF
RGB	224, 251, 255
RGB Percent	88%, 98%, 100%
CMY	0.1216, 0.0157, 0.0000
CMYK	0.12, 0.02, 0.00, 0.00
HSL	188°, 100%, 94%
HSV	188°, 12%, 100%
XYZ	83.2876, 92.0617, 107.9877
YIQ	243.3830, -17.3760, -4.4800

# Conversions

## Conversions Part 2

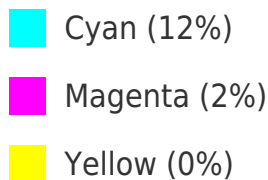
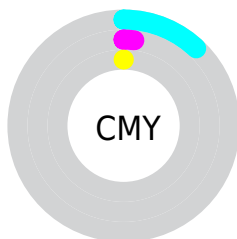
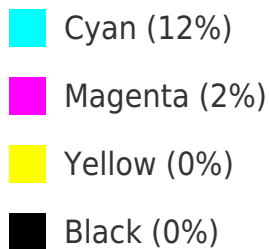
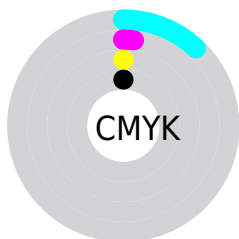
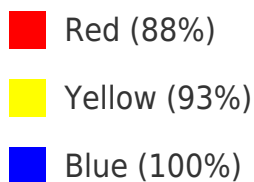
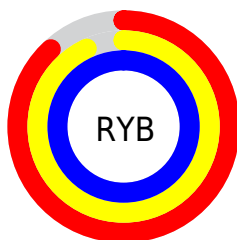
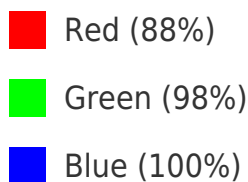
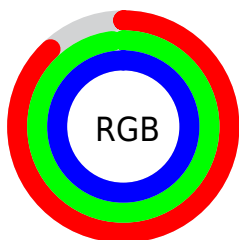
Format	Color
<a href="#">RYB</a>	<a href="#">224, 238, 255</a>
Decimal	<a href="#">14744575</a>
CIELab	<a href="#">96.85, -7.94, -4.89</a>
CIELCh	<a href="#">97, 9.322, 211.631</a>
Yxy	<a href="#">92.0617, 0.2940, 0.3249</a>
Android (android.graphics.Color)	<a href="#">4292934655</a> (0xFFE0FBFF)
YUV	<a href="#">243.3830, 5.7272, -16.9989</a>
Hunter-Lab	<a href="#">95.9488, -12.9648, 0.4349</a>

# Details

The XYZ color **83.2876, 92.0617, 107.9877** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.4372, 82.1267, 82.0295**, and the grayscale version is **85.4642, 89.9150, 97.9174**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.8470, 51.0958, 60.8722** is the 20% darker color. If you saturate the color by 10%, you get **74.9525, 86.2566, 107.3065**, and if you desaturate by 10%, it is **92.8305, 98.5209, 108.7315**.

# Distribution





# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.2876, 92.0617, 107.9877 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 83.2876, 92.0617, 107.9877 by changing the saturation by 10% instead.




 83.2876, 92.0617,  
107.9877

 83.2876, 92.0617,  
107.9877


494.5140,  
534.7149, 606.9736

 62.7452, 69.6919,  
82.3340


136.9046,  
150.1989, 174.2388

 45.8929, 51.2754,  
61.1035


170.7099,  
186.7351, 215.6734

 32.3656, 36.4278,  
43.8776


209.6669,  
228.7621, 263.2052

 21.7978, 24.7648,  
30.2378

254.1408,  
276.6645, 317.2530

 13.8242, 15.9019,  
19.7656

304.4972,  
330.8266, 378.2351

 8.0794, 9.4548,  
12.0424


361.1012,


 4.1980, 5.0390,


391.6327, 446.5703


6.6496

424.3184,  
459.4674, 522.6769


 1.8148, 2.2701,  
3.1689

 0.5265, 0.7578,  
1.1815

 83.2876, 92.0617,  
107.9877


 83.2876, 92.0617,  
107.9877


 74.9525, 86.2566,  
107.3065

 92.8305, 98.5209,  
108.7315

 67.7653, 81.0671,  
106.6836

95.0500, 100.0000,  
108.9000

 61.6719, 76.4676,  
106.1170

 56.6106, 72.4263,  
105.6037

■ 52.5139, 68.9081,  
105.1406

■ 49.3058, 65.8738,  
104.7240

■ 46.8989, 63.2782,  
104.3498

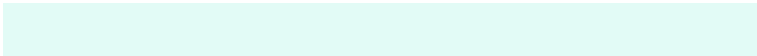
■ 45.1875, 61.0667,  
104.0132

■ 44.2086, 59.5371,  
103.7695

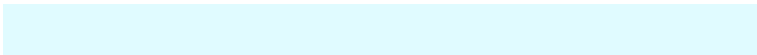
# Harmonies

## Analogous

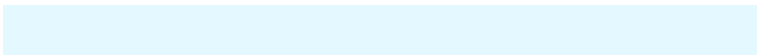
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.5684, 92.0617, 100.6501



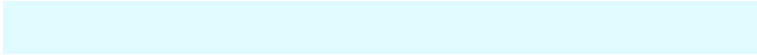
83.2876, 92.0617, 107.9877



85.1330, 92.0617, 113.4601

# Triad

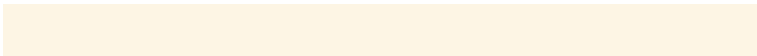
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.2876, 92.0617, 107.9877



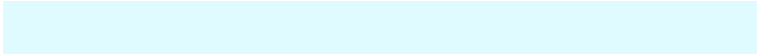
92.0039, 92.0617, 107.2431



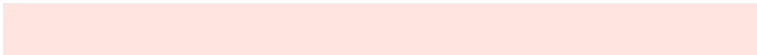
87.3588, 92.0617, 86.5152

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



83.2876, 92.0617, 107.9877



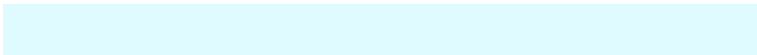
82.4372, 82.1267, 82.0295

# Split Complementary

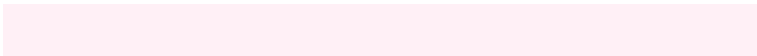
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.9143, 92.0617, 88.0880



83.2876, 92.0617, 107.9877



92.6280, 92.0617, 99.8301

# Square

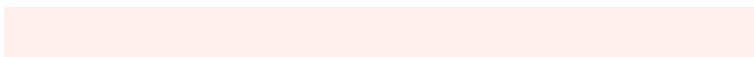
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.2876, 92.0617, 107.9877



90.1671, 92.0617, 113.0154



91.8560, 92.0617, 92.8712

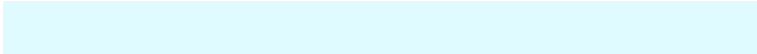


84.8897, 92.0617, 88.4647

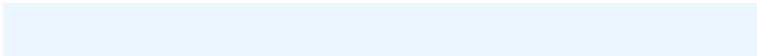


# Rectangle

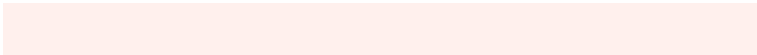
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



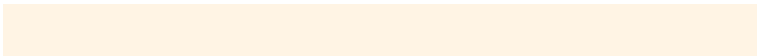
83.2876, 92.0617, 107.9877



86.7716, 92.0617, 115.1816



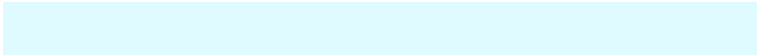
91.8560, 92.0617, 92.8712



88.2362, 92.0617, 86.6491

# Sweetspot

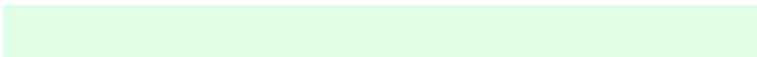
The Sweet Spot groups the original color and five complimentary colors.



83.2900, 92.0654, 107.9883



90.9786, 97.2808, 108.5897



80.4517, 92.9479, 86.8218



19.3140, 20.7152, 23.2304



0.0000, 0.0000, 0.0000

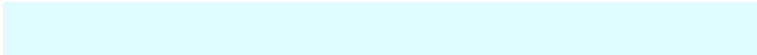


20.3446, 21.4041, 23.3091

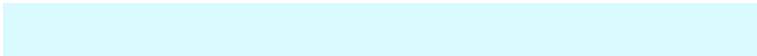


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2900, 92.0654, 107.9883



80.7987, 90.3488, 107.7883



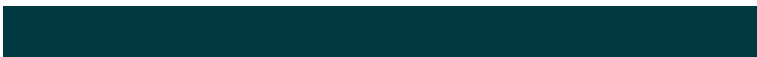
78.7533, 82.9920, 106.4761



18.3434, 20.0585, 23.1548



23.1780, 31.2656, 54.2478



2.3101, 3.1508, 5.2997



# Inverse Universe

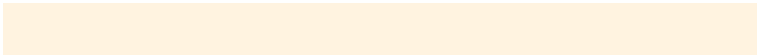
The Inverse Universe completely reimagines the original color for something new.



85.3096, 81.5377, 102.5134



83.2549, 77.6635, 101.1035



86.7806, 90.8134, 83.4773



18.6860, 18.2577, 22.2296



28.4874, 13.8842, 37.5467

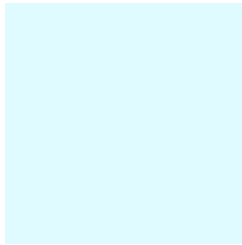


2.8006, 1.3626, 3.7974



# Previews

## White Background



This preview shows how the XYZ color 83.2876, 92.0617, 107.9877 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

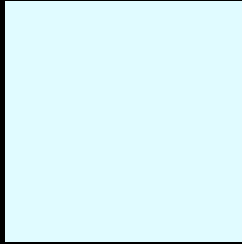
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.2876, 92.0617, 107.9877 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

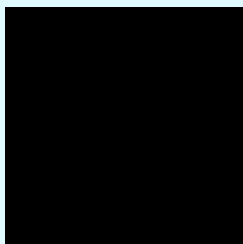
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 83.2876, 92.0617, 107.9877**

## **Background**



This preview shows how black text looks on a background with the XYZ color 83.2876, 92.0617, 107.9877.



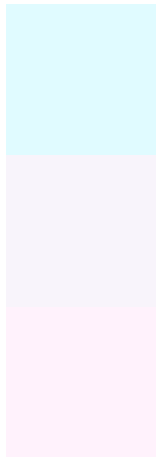
This preview shows how white text looks on a background with the XYZ color 83.2876, 92.0617,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

83.2876, 92.0617, 107.9877

### Protanopia

88.4747, 91.6229, 104.2887

### Deuteranopia

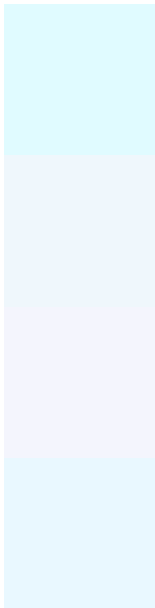
90.5628, 91.7925, 105.0400



## **Tritanopia**

86.5707, 91.9187, 107.7871

# Trichromacy



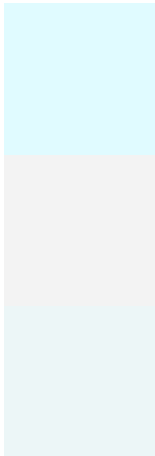
**Original Color**  
83.2876, 92.0617, 107.9877

**Protanomaly**  
86.4281, 91.9005, 105.2788

**Deuteranomaly**  
87.6903, 91.6298, 105.9930

**Tritanomaly**  
85.2217, 91.6784, 107.8118

# Monochromacy



**Original Color**  
83.2876, 92.0617, 107.9877

**Achromatopsia**  
85.1904, 89.6269, 97.6037

**Achromatomaly**  
84.3363, 90.4598, 101.0112

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.2876, 92.0617, 107.9877 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(224, 251, 255) looks like.

```
.text, #text, p{  
    color:rgb(224, 251, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(224, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 251, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 83.2876, 92.0617, 107.9877 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(224, 251, 255) }
```



If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(224, 251, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(224, 251, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 251,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.2876, 92.0617, 107.9877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 251, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(224,  
251, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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