

Converting Colors

XYZ(86.1103, 93.3149,
121.9124)

Have a look what the booklet for
XYZ(86.1103, 93.3149, 121.9124)
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

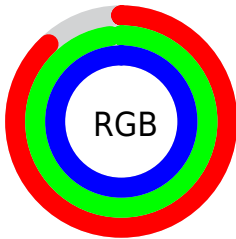
Format	Color
R _Y B	224, 238, 255
Decimal	14744575
CIE Lab	96.85, -7.94, -4.89
CIE LCh	97, 9.322, 211.631
Yxy	92.0617, 0.2940, 0.3249
Android (android.graphics.Color)	4292934655 (0xFFE0FBFF)
YUV	243.3830, 5.7272, -16.9989
Hunter-Lab	95.9488, -12.9648, 0.4349

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**.

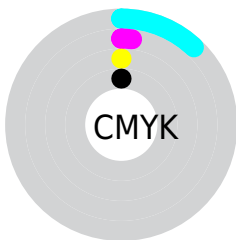
Distribution



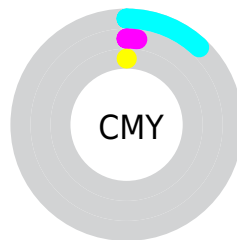
- Red (88%)
- Green (98%)
- Blue (100%)



- Red (88%)
- Yellow (93%)
- Blue (100%)



- Cyan (12%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (2%)
- Yellow (0%)

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

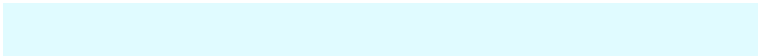
Harmonies

Analogous

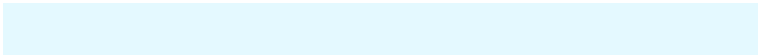
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.5684, 92.0617, 100.6501



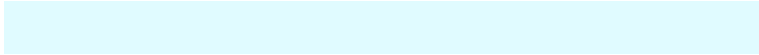
83.2876, 92.0617, 107.9877



85.1330, 92.0617, 113.4601

Triad

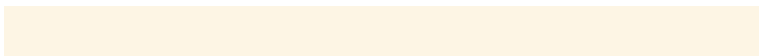
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.2876, 92.0617, 107.9877



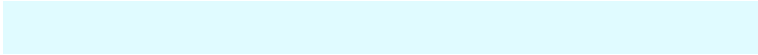
92.0039, 92.0617, 107.2431



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.



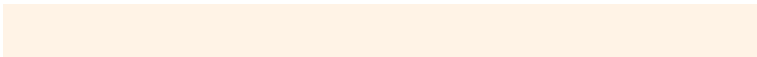
83.2876, 92.0617, 107.9877



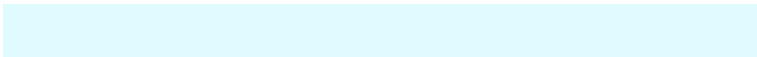
82.4372, 82.1267, 82.0295

Split Complementary

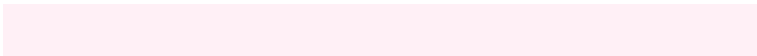
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.9143, 92.0617, 88.0880



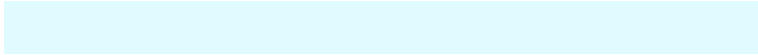
83.2876, 92.0617, 107.9877



92.6280, 92.0617, 99.8301

Square

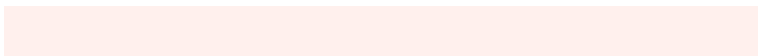
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.2876, 92.0617, 107.9877



90.1671, 92.0617, 113.0154



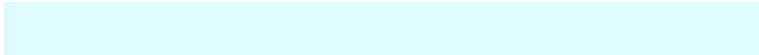
91.8560, 92.0617, 92.8712



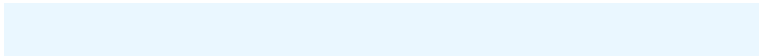
84.8897, 92.0617, 88.4647

Rectangle

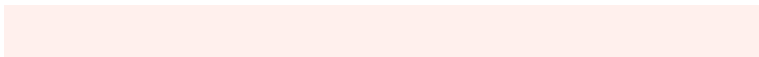
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.2876, 92.0617, 107.9877



86.7716, 92.0617, 115.1816



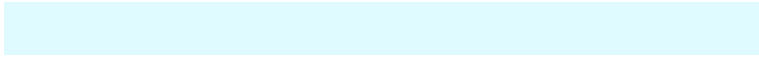
91.8560, 92.0617, 92.8712



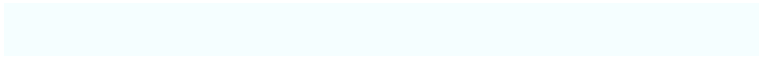
88.2362, 92.0617, 86.6491

Sweetspot

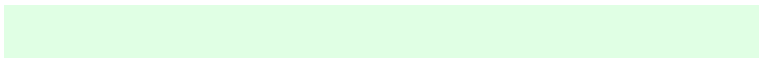
The Sweet Spot groups the original color and five complimentary colors.



83.2900, 92.0654, 107.9883



90.9786, 97.2808, 108.5897



80.4517, 92.9479, 86.8218



19.3140, 20.7152, 23.2304



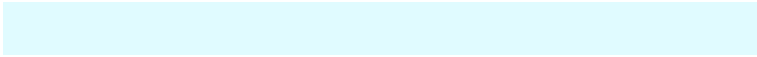
0.0000, 0.0000, 0.0000



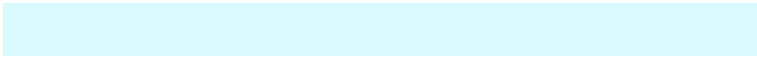
20.3446, 21.4041, 23.3091

Same Dimension

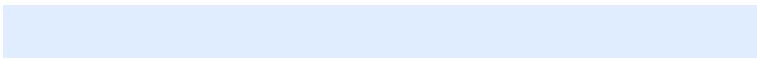
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2900, 92.0654, 107.9883



80.7987, 90.3488, 107.7883



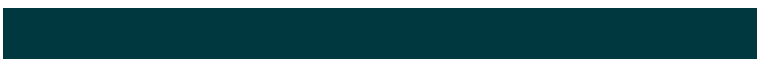
78.7533, 82.9920, 106.4761



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



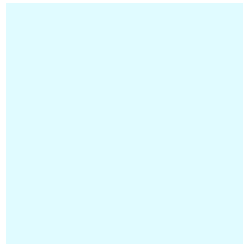
28.4874, 13.8842, 37.5467



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

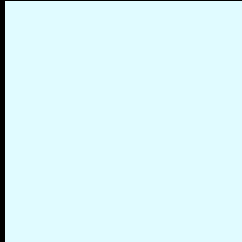
Large Text (above 18pt) WCAG AA × Fail

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

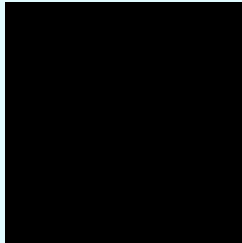
Large Text (above 18pt) WCAG AAA ✓ Pass

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.

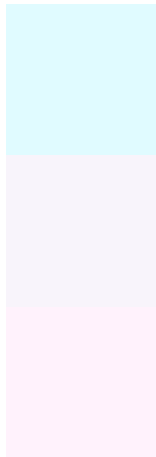


This preview shows how white text looks on a background with the XYZ color 83.2876, 92.0617,

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

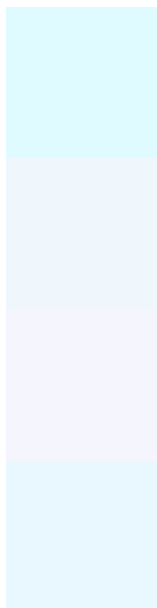
90.5628, 91.7925, 105.0400



Tritanopia

86.5707, 91.9187, 107.7871

Trichromacy



Original Color

83.2876, 92.0617, 107.9877

Protanomaly

86.4281, 91.9005, 105.2788

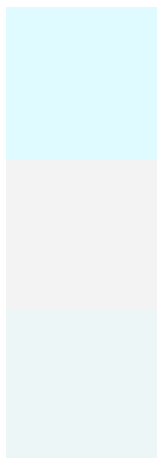
Deuteranomaly

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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