

# Converting Colors

XYZ(88.8816, 96.8880,  
105.5403)

Have a look what the booklet for  
XYZ(88.8816, 96.8880, 105.5403)  
contains.

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# Color

**XYZ(88.7692, 96.8358,  
105.2793)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFFFFB
RGB	239, 255, 251
RGB Percent	94%, 100%, 98%
CMY	0.0627, 0.0000, 0.0157
CMYK	0.06, 0.00, 0.02, 0.00
HSL	165°, 100%, 97%
HSV	165°, 6%, 100%
XYZ	88.7692, 96.8358, 105.2793
YIQ	249.7600, -8.2520, -4.6360

# Conversions

## Conversions Part 2

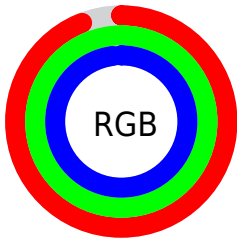
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	239, 248, 255
Decimal	15728635
CIE <sub>Lab</sub>	98.76, -5.93, 0.10
CIE <sub>LCh</sub>	99, 5.930, 179.042
Yxy	96.8358, 0.3052, 0.3329
Android (android.graphics.Color)	4293918715 (0xFFEFFFFB)
YUV	249.7600, 0.6113, -9.4365
Hunter-Lab	98.4052, -11.1881, 5.4519

# Details

The XYZ color 88.7692, 96.8358, 105.2793 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.2847, 89.4651, 97.4095, and the grayscale version is 90.6678, 95.3896, 103.8792.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.5728, 54.3956, 59.5164 is the 20% darker color. If you saturate the color by 10%, you get 79.7712, 92.3112, 99.7029, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

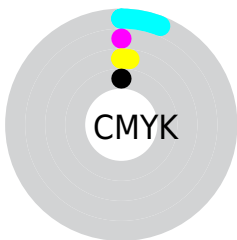
# Distribution



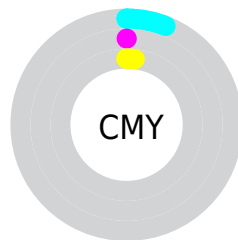
- Red (94%)
- Green (100%)
- Blue (98%)



- Red (94%)
- Yellow (97%)
- Blue (100%)



- Cyan (6%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (6%)
- Magenta (0%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 88.7692, 96.8358, 105.2793 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 88.7692, 96.8358, 105.2793 by changing the saturation by 10% instead.




 88.7692, 96.8358,  
105.2793

 88.7692, 96.8358,  
105.2793


512.3167,  
550.0255, 598.3799

 67.2932, 73.6639,  
80.0754


144.5146,  
156.7984, 170.5083

 49.5945, 54.5190,  
59.2539

179.5148,  
194.3579, 211.3706

 35.3078, 39.0167,  
42.3962


219.7536,  
237.4819, 258.2893

 24.0677, 26.7727,  
29.0837

265.5966,  
286.5550, 311.6831

 15.5088, 17.4026,  
18.8981

317.4091,  
341.9616, 371.9706

 9.2659, 10.5220,  
11.4206

375.5563,

 4.9735, 5.7464,

404.0859, 439.5701

6.2327

440.4037,  
473.3124, 514.9004

■ 2.2663, 2.6915,  
2.9160

■ 0.7774, 0.9729,  
1.0519

■ 88.7692, 96.8358,  
105.2793

■ 88.7692, 96.8358,  
105.2793

■ 79.7712, 92.3112,  
99.7029

95.0500, 100.0000,  
108.9000

■ 71.9697, 88.3997,  
94.3558

■ 65.3113, 85.0736,  
89.2354

■ 59.7371, 82.3026,  
84.3370

■ 55.1831, 80.0539,  
79.6560

■ 51.5782, 78.2907,  
75.1871

■ 48.8421, 76.9716,  
70.9248

■ 46.8807, 76.0483,  
66.8628

■ 45.5768, 75.4604,  
62.9936

# Harmonies

## Analogous

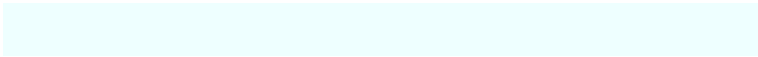
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.2299, 96.8358, 100.6357



88.7692, 96.8358, 105.2793



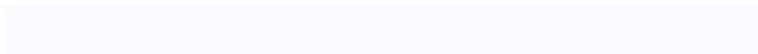
89.1757, 96.8358, 110.1073

# Triad

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



88.7692, 96.8358, 105.2793



93.6559, 96.8358, 113.9452



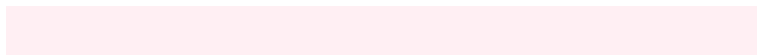
93.7529, 96.8358, 97.5150

# Complementary

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



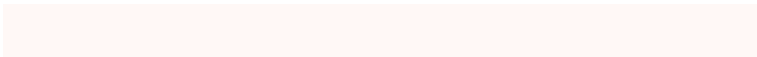
88.7692, 96.8358, 105.2793



88.2847, 89.4651, 97.4095

# 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.



94.9640, 96.8358, 100.9021



88.7692, 96.8358, 105.2793



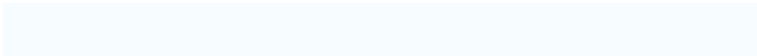
94.9075, 96.8358, 110.3901

# Square

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



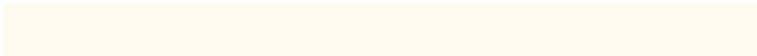
88.7692, 96.8358, 105.2793



91.9842, 96.8358, 115.2038



95.3892, 96.8358, 105.5963



92.0949, 96.8358, 96.2398

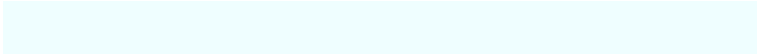


# Rectangle

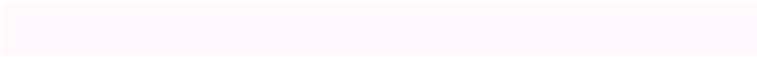
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



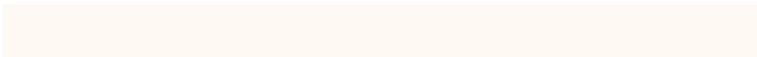
88.7692, 96.8358, 105.2793



89.8866, 96.8358, 112.7606



95.3892, 96.8358, 105.5963



94.2265, 96.8358, 98.4390

# Sweetspot

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



88.7701, 96.8362, 105.2808



92.9940, 98.9637, 107.7361



88.3029, 96.8070, 95.6943



19.9261, 21.1932, 23.0723



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

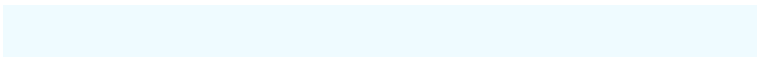
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.7701, 96.8362, 105.2808



87.1289, 96.0101, 104.3013



88.1445, 94.5657, 108.2150



18.3495, 20.3993, 22.1432



23.6777, 39.3677, 32.5177



2.3491, 3.8506, 3.3960



# Inverse Universe

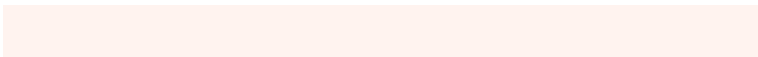
The Inverse Universe completely reimagines the original color for something new.



88.2847, 89.4651, 97.4095



86.5173, 86.7212, 94.3822



88.8713, 91.5941, 94.6582



18.1956, 18.0615, 19.6470



22.0781, 11.3205, 3.7958

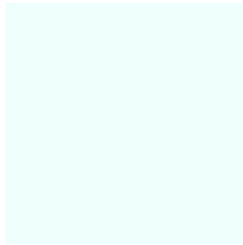


2.1912, 1.1188, 0.5880



# Previews

## White Background



This preview shows how the XYZ color 88.7692, 96.8358, 105.2793 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

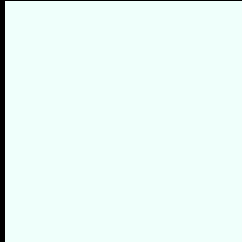
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.7692, 96.8358, 105.2793 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

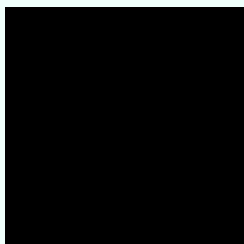
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

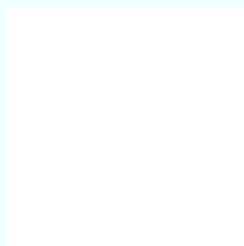
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 88.7692, 96.8358, 105.2793

## Background



This preview shows how black text looks on a background with the XYZ color 88.7692, 96.8358, 105.2793.



This preview shows how white text looks on a background with the XYZ color 88.7692, 96.8358,

105.2793.

# 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

88.7692, 96.8358, 105.2793

### Protanopia

92.5245, 96.4708, 103.3667

### Deuteranopia

92.9963, 96.6595, 105.8512

## **Tritanopia**

91.9715, 96.5384, 108.3941

# Trichromacy



**Original Color**

88.7692, 96.8358, 105.2793

**Protanomaly**

91.1326, 96.6627, 104.2970

**Deuteranomaly**

91.4480, 96.7888, 105.9577

**Tritanomaly**

90.7058, 96.3694, 107.5864

# Monochromacy



**Original Color**

88.7692, 96.8358, 105.2793

**Achromatopsia**

90.8653, 95.5973, 104.1055

**Achromatomaly**

90.0718, 96.1158, 104.2474

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 88.7692, 96.8358, 105.2793 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(239, 255, 251)` looks like.

```
.text, #text, p{  
    color:rgb(239, 255, 251)  
}
```

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(239, 255, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 255, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 88.7692, 96.8358, 105.2793 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(239, 255, 251) }
```



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

```
.border{ border-color:rgb(239, 255, 251) }
```

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

Here you see how a box with a 4 pixel rgb(239, 255, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 255, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 255, 251);  
box-shadow:4px 4px 4px 4px rgb(239, 255,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.7692, 96.8358, 105.2793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 255, 251) }
```

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

```
.background{ background-color: rgb(239,  
255, 251) }
```

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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