

# Converting Colors

XYZ(79.6591, 89.7452,  
127.7762)

Have a look what the booklet for  
XYZ(79.6591, 89.7452, 127.7762)  
contains.

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# Color

**XYZ(75.8359, 88.2201,  
107.6390)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6FBFF
RGB	198, 251, 255
RGB Percent	78%, 98%, 100%
CMY	0.2235, 0.0157, 0.0000
CMYK	0.22, 0.02, 0.00, 0.00
HSL	184°, 100%, 89%
HSV	184°, 22%, 100%
XYZ	75.8359, 88.2201, 107.6390
YIQ	235.6090, -32.8720, -9.9920

# Conversions

## Conversions Part 2

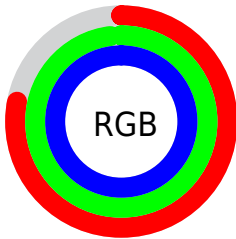
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	198, 225, 255
Decimal	13040639
CIE <sub>Lab</sub>	95.25, -15.79, -7.42
CIE <sub>LCh</sub>	95, 17.449, 205.162
Yxy	88.2201, 0.2791, 0.3247
Android (android.graphics.Color)	4291230719 (0xFFC6FBFF)
YUV	235.6090, 9.5598, -32.9831
Hunter-Lab	93.9256, -20.2481, -2.1986

# Details

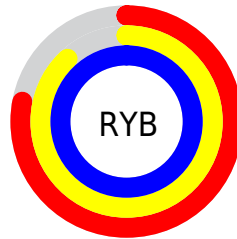
The XYZ color **75.8359, 88.2201, 107.6390** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.5535, 67.5775, 62.6477**, and the grayscale version is **79.3791, 83.5130, 90.9457**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.8125, 48.5004, 60.6366** is the 20% darker color. If you saturate the color by 10%, you get **69.1168, 83.9336, 107.1657**, and if you desaturate by 10%, it is **83.6964, 93.1075, 108.1680**.

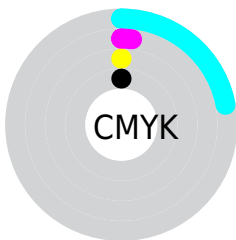
# Distribution



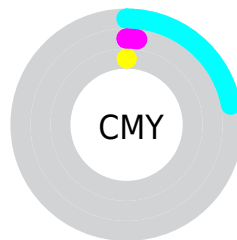
- Red (78%)
- Green (98%)
- Blue (100%)



- Red (78%)
- Yellow (88%)
- Blue (100%)



- Cyan (22%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (2%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.8359, 88.2201, 107.6390 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 75.8359, 88.2201, 107.6390 by changing the saturation by 10% instead.



75.8359, 88.2201,  
107.6390

75.8359, 88.2201,  
107.6390

469.7388,  
522.2237, 605.8707

56.5945, 66.5054,  
82.0430

126.4765,  
144.8635, 173.7591

40.9187, 48.6828,  
60.8650

158.6065,  
180.5610, 215.1202

28.4429, 34.3679,  
43.6863

195.7633,  
221.6882, 262.5735

18.8020, 23.1764,  
30.0886

238.3125,  
268.6296, 316.5375

11.6304, 14.7238,  
19.6532

286.6192,  
321.7694, 377.4306

6.5630, 8.6258,  
11.9617

341.0490,

3.2342, 4.4979,

381.4921, 445.6715

6.5954

401.9670,  
448.1821, 521.6787

■ 1.2788, 1.9558,  
3.1358

■ 0.1673, 0.5816,  
1.1644

■ 75.8359, 88.2201,  
107.6390

■ 75.8359, 88.2201,  
107.6390

■ 69.1168, 83.9336,  
107.1657

■ 83.6964, 93.1075,  
108.1680

■ 63.4756, 80.2082,  
106.7440

■ 92.7440, 98.6124,  
108.7537

■ 58.8530, 77.0158,  
106.3714

■ 95.0500, 100.0000,  
108.9000

■ 55.1813, 74.3213,  
106.0448

■ 52.3846, 72.0856,  
105.7607

■ 50.3751, 70.2634,  
105.5149

■ 49.0468, 68.8002,  
105.3025

■ 48.3707, 67.8614,  
105.1569

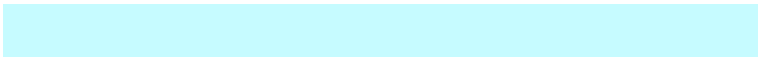
# Harmonies

## Analogous

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



75.0568, 88.2201, 93.8629



75.8359, 88.2201, 107.6390



78.7298, 88.2201, 119.2186

# Triad

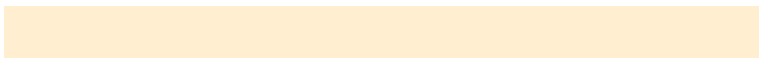
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.8359, 88.2201, 107.6390



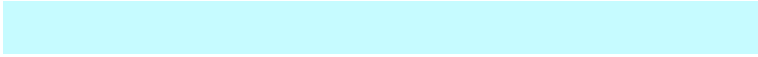
91.5898, 88.2201, 111.8230



84.6248, 88.2201, 72.2324

# Complementary

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



75.8359, 88.2201, 107.6390



72.5535, 67.5775, 62.6477

# 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.



89.1887, 88.2201, 76.1076



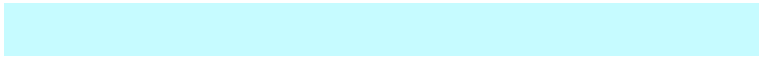
75.8359, 88.2201, 107.6390



93.3057, 88.2201, 98.2844

# Square

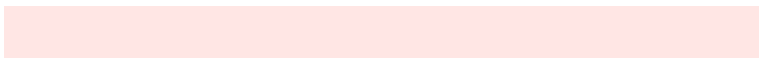
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.8359, 88.2201, 107.6390



87.8028, 88.2201, 121.7900



92.4109, 88.2201, 85.3366



80.0187, 88.2201, 74.2304

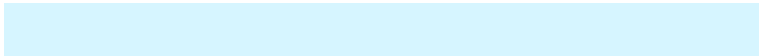


# Rectangle

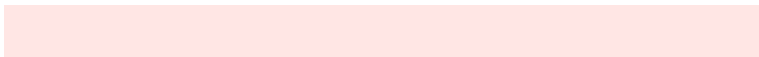
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.8359, 88.2201, 107.6390



81.5284, 88.2201, 123.6898



92.4109, 88.2201, 85.3366



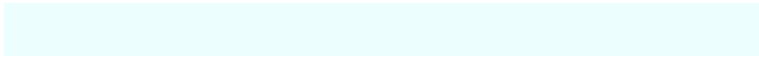
86.2164, 88.2201, 72.8800

# Sweetspot

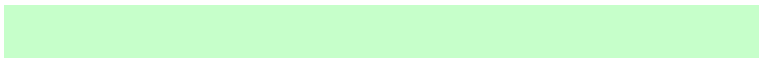
The Sweet Spot groups the original color and five complimentary colors.



75.8382, 88.2236, 107.6395



88.3873, 95.9747, 108.4742



69.6868, 87.7811, 69.0253



18.8016, 20.4714, 23.2104



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.



75.8382, 88.2236, 107.6395



72.5759, 86.1573, 107.4126



67.6475, 71.8423, 104.9093



18.4395, 20.2505, 23.1868



25.3210, 35.5516, 54.9622



2.4968, 3.5243, 5.3619



# Inverse Universe

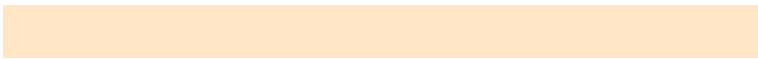
The Inverse Universe completely reimagines the original color for something new.



78.8481, 68.6149, 100.3591



76.1132, 63.3541, 98.8026



79.8141, 82.0988, 65.0679



18.7345, 18.2771, 22.4848



29.5691, 14.3169, 43.2427

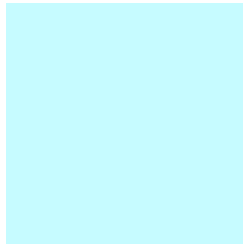


2.8949, 1.4003, 4.2938



# Previews

## White Background



This preview shows how the XYZ color 75.8359, 88.2201, 107.6390 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

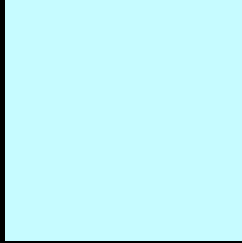
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.8359, 88.2201, 107.6390 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

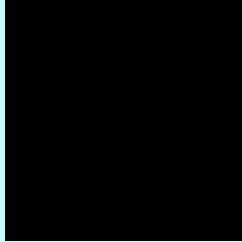
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 75.8359, 88.2201, 107.6390

## Background



This preview shows how black text looks on a background with the XYZ color 75.8359, 88.2201, 107.6390.



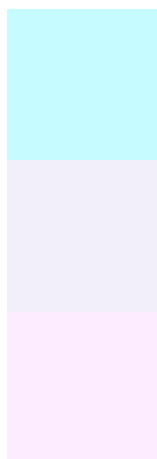
This preview shows how white text looks on a background with the XYZ color 75.8359, 88.2201,



# 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

75.8359, 88.2201, 107.6390

### Protanopia

84.7719, 87.5650, 101.2407

### Deuteranopia

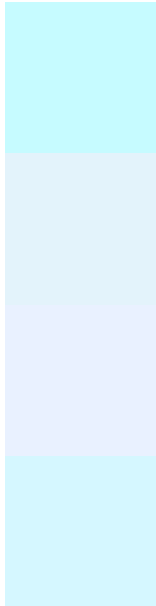
88.2663, 87.5193, 106.8485



## Tritanopia

80.8266, 88.0544, 107.3439

# Trichromacy



## Original Color

75.8359, 88.2201, 107.6390

## Protanomaly

81.1417, 87.3971, 103.8595

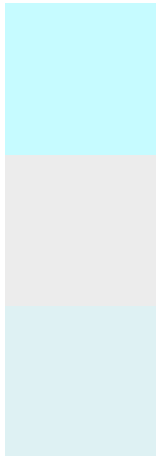
## Deuteranomaly

83.1096, 87.4542, 107.1078

## Tritanomaly

78.7513, 87.8877, 107.4211

# Monochromacy



## Original Color

75.8359, 88.2201, 107.6390

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

77.7572, 84.9113, 97.0853

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.8359, 88.2201, 107.6390 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(198, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(198, 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(198, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 251, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 75.8359, 88.2201, 107.6390 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".

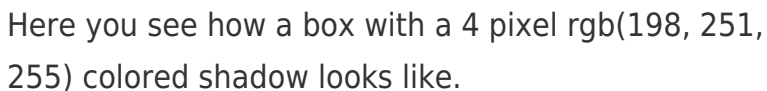
```
.border, #border, table{ border:4px solid rgb(198, 251, 255) }
```



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

```
.border{ border-color:rgb(198, 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(198, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(198, 251,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.8359, 88.2201, 107.6390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 251, 255) }
```

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

```
.background{ background-color: rgb(198,  
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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