

# Converting Colors

XYZ(57.1124, 80.9620, 83.6532)

Have a look what the booklet for  
XYZ(57.1124, 80.9620, 83.6532)  
contains.

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# Color

**XYZ(57.0963, 80.9493,  
83.8497)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78FFE1
RGB	120, 255, 225
RGB Percent	47%, 100%, 88%
CMY	0.5294, 0.0000, 0.1176
CMYK	0.53, 0.00, 0.12, 0.00
HSL	167°, 100%, 74%
HSV	167°, 53%, 100%
XYZ	57.0963, 80.9493, 83.8497
YIQ	211.2150, -70.8300, -37.9500

# Conversions

## Conversions Part 2

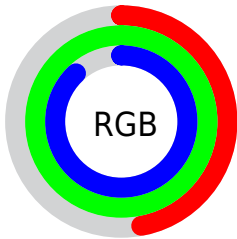
<b>Format</b>	<b>Color</b>
<b>RYB</b>	120, 196, 255
Decimal	7929825
CIELab	92.11, -44.10, 3.07
CIELCh	92, 44.211, 176.012
Yxy	80.9493, 0.2573, 0.3648
Android (android.graphics.Color)	4286119905 (0xFF78FFE1)
YUV	211.2150, 6.7960, -79.9956
Hunter-Lab	89.9718, -44.1742, 7.7247

# Details

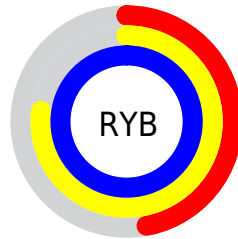
The XYZ color **57.0963, 80.9493, 83.8497** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **53.4622, 36.8961, 33.1590**, and the grayscale version is **62.0493, 65.2807, 71.0906**.

A 20% lighter version of the original color is **72.8661, 88.5638, 107.8618**, and **28.8660, 44.0205, 45.0056** is the 20% darker color. If you saturate the color by 10%, you get **53.2584, 79.0586, 79.7025**, and if you desaturate by 10%, it is **61.9031, 83.3365, 88.1790**.

# Distribution



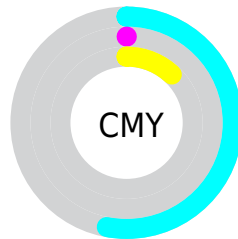
- Red (47%)
- Green (100%)
- Blue (88%)



- Red (47%)
- Yellow (77%)
- Blue (100%)



- Cyan (53%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)




- Cyan (53%)
- Magenta (0%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.0963, 80.9493, 83.8497 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 57.0963, 80.9493, 83.8497 by changing the saturation by 10% instead.





 57.0963, 80.9493,  
83.8497


 57.0963, 80.9493,  
83.8497


403.8184,  
498.1263, 527.8590

 41.3230, 60.4998,  
62.3467


 99.7362, 134.6996,  
140.6248

 28.7603, 43.8216,  
44.8753


 127.3336,  
168.7692, 176.7339

 19.0430, 30.5303,  
31.0170


 159.6030,  
208.1476, 218.5488

 11.8055, 20.2415,  
20.3532

196.9098,  
253.2193, 266.4880

 6.6826, 12.5707,  
12.4654

239.6194,  
304.3686, 320.9701

 3.3090, 7.1336,  
6.9351


288.0971,


 1.3192, 3.5458,


361.9800, 382.4136


3.3437


342.7084,  
426.4377, 451.2371


 0.1975, 1.4229,  
1.2727


 0.0000, 0.2335,  
0.0393


 57.0963, 80.9493,  
83.8497


 57.0963, 80.9493,  
83.8497


 53.2584, 79.0586,  
79.7025


 61.9031, 83.3365,  
88.1790

 50.3099, 77.6235,  
75.7282

 67.7446, 86.2540,  
92.6904

 48.1630, 76.5988,  
71.9228

 74.6836, 89.7344,  
97.3897

 46.7101, 75.9288,  
68.2799

 82.7773, 93.8070,  
102.2808

■ 45.9918, 75.6127,  
65.7998

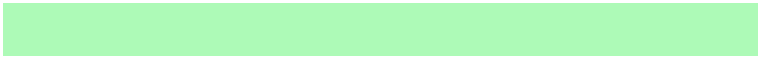
■ 92.0788, 98.4992,  
107.3672

95.0500, 100.0000,  
108.9000

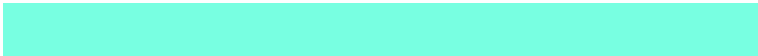
# Harmonies

## Analogous

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



60.1732, 80.9493, 57.5232



57.0963, 80.9493, 83.8497



58.8896, 80.9493, 118.6054

# Triad

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



57.0963, 80.9493, 83.8497



86.9490, 80.9493, 157.3723



89.8426, 80.9493, 45.6945

# Complementary

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



57.0963, 80.9493, 83.8497



53.4622, 36.8961, 33.1590

# 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.



98.3463, 80.9493, 63.3968



57.0963, 80.9493, 83.8497



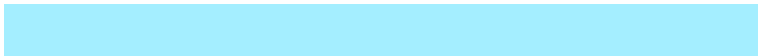
96.5634, 80.9493, 128.0543

# Square

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



57.0963, 80.9493, 83.8497



75.4269, 80.9493, 166.6766



100.9187, 80.9493, 92.5743

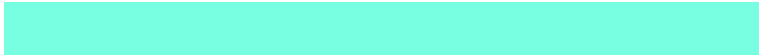


78.4730, 80.9493, 39.2110



# Rectangle

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



57.0963, 80.9493, 83.8497



62.7110, 80.9493, 141.4026



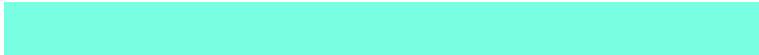
100.9187, 80.9493, 92.5743



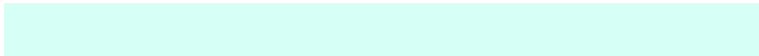
93.1731, 80.9493, 50.2785

# Sweetspot

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



57.0972, 80.9497, 83.8511



80.1743, 92.4960, 100.7633



52.0066, 79.5037, 30.3754



16.7993, 19.6161, 21.3512



0.0000, 0.0000, 0.0000

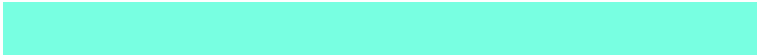


20.3446, 21.4041, 23.3091



# Same Dimension

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



57.0972, 80.9497, 83.8511



52.9049, 78.8855, 79.2728



51.1282, 61.8770, 103.8565



18.3719, 20.4083, 22.2615



24.0904, 39.5327, 34.6907



2.3861, 3.8654, 3.5911



# Inverse Universe

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



53.4622, 36.8961, 33.1590



48.9504, 30.4399, 23.7402



56.5194, 46.3942, 23.7468



18.1746, 18.0532, 19.5367



21.9757, 11.2796, 3.2565

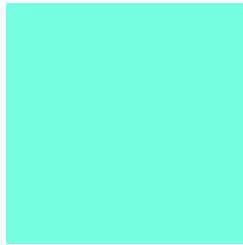


2.1785, 1.1138, 0.5216



# Previews

## White Background



This preview shows how the XYZ color 57.0963, 80.9493, 83.8497 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

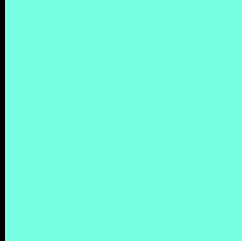
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.0963, 80.9493, 83.8497 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

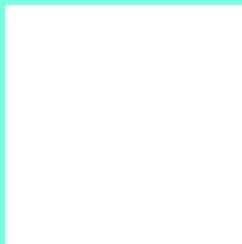
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 57.0963, 80.9493, 83.8497**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.0963, 80.9493, 83.8497.



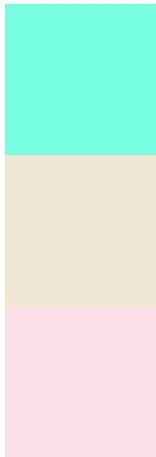
This preview shows how white text looks on a background with the XYZ color 57.0963, 80.9493,



# 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

57.0963, 80.9493, 83.8497

### Protanopia

75.6513, 79.6475, 73.0143

### Deuteranopia

81.0980, 79.2970, 87.3755



## Tritanopia

68.3925, 80.3080, 106.5041

# Trichromacy



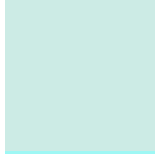
## Original Color

57.0963, 80.9493, 83.8497



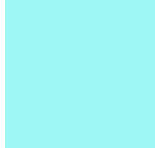
## Protanomaly

66.0261, 78.4266, 76.6237



## Deuteranomaly

68.7530, 77.9112, 85.5434



## Tritanomaly

63.6904, 80.3223, 97.7349

# Monochromacy



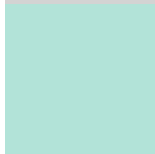
## Original Color

57.0963, 80.9493, 83.8497



## Achromatopsia

61.9161, 65.1406, 70.9381



## Achromatomaly

58.2239, 69.3610, 75.2850

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.0963, 80.9493, 83.8497 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(120, 255, 225)` looks like.

```
.text, #text, p{  
    color:rgb(120, 255, 225)  
}
```

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(120, 255, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 255, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 57.0963, 80.9493, 83.8497 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(120, 255, 225) }
```



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

```
.border{ border-color:rgb(120, 255, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 255, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 255, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 255, 225);  
box-shadow:4px 4px 4px 4px rgb(120, 255,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.0963, 80.9493, 83.8497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 255, 225) }
```

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

```
.background{ background-color: rgb(120,  
255, 225) }
```

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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