

# Converting Colors

XYZ(62.9286, 92.8861, 77.2864)

Have a look what the booklet for  
XYZ(62.9286, 92.8861, 77.2864)  
contains.

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# Color

**XYZ(57.1303, 81.1494,  
75.6031)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83FFD5
RGB	131, 255, 213
RGB Percent	51%, 100%, 84%
CMY	0.4863, 0.0000, 0.1647
CMYK	0.49, 0.00, 0.16, 0.00
HSL	160°, 100%, 76%
HSV	160°, 49%, 100%
XYZ	57.1303, 81.1494, 75.6031
YIQ	213.1360, -60.4220, -39.3500

# Conversions

## Conversions Part 2

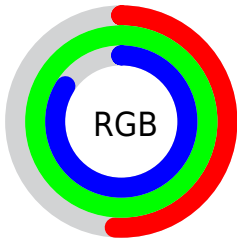
Format	Color
<a href="#">RYB</a>	<a href="#">131, 206, 255</a>
Decimal	<a href="#">8650709</a>
CIELab	<a href="#">92.20, -44.40, 9.45</a>
CIELCh	<a href="#">92, 45.397, 167.990</a>
Yxy	<a href="#">81.1494, 0.2671, 0.3794</a>
Android (android.graphics.Color)	<a href="#">4286840789</a> ( <a href="#">0xFF83FFD5</a> )
YUV	<a href="#">213.1360, -0.0670, -72.0333</a>
Hunter-Lab	<a href="#">90.0830, -44.4411, 13.2983</a>

# Details

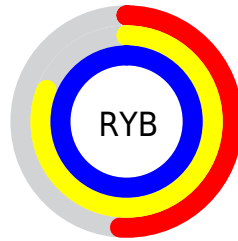
The XYZ color **57.1303, 81.1494, 75.6031** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **56.8997, 40.5107, 44.3563**, and the grayscale version is **63.3663, 66.6663, 72.5996**.

A 20% lighter version of the original color is **75.0452, 89.6871, 107.9638**, and **28.8199, 44.1220, 39.3452** is the 20% darker color. If you saturate the color by 10%, you get **52.5880, 78.9310, 69.8201**, and if you desaturate by 10%, it is **62.7044, 83.8928, 81.7419**.

# Distribution



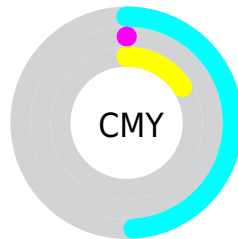
- Red (51%)
- Green (100%)
- Blue (84%)



- Red (51%)
- Yellow (81%)
- Blue (100%)



- Cyan (49%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (49%)
- Magenta (0%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.1303, 81.1494, 75.6031 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 57.1303, 81.1494, 75.6031 by changing the saturation by 10% instead.





 57.1303, 81.1494,  
75.6031


 57.1303, 81.1494,  
75.6031


403.9437,  
498.7980, 499.2986


 41.3504, 60.6647,  
55.6024


 99.7855, 134.9805,  
128.9207

 28.7819, 43.9546,  
39.4824


 127.3916,  
169.0957, 163.0746

 19.0593, 30.6348,  
26.8245


 159.6705,  
208.5231, 202.7834

 11.8174, 20.3209,  
17.2102

196.9874,  
253.6472, 248.4655

 6.6908, 12.6285,  
10.2209

239.7079,  
304.8523, 300.5396

 3.3141, 7.1733,  
5.4382

288.1972,

 1.3220, 3.5707,

362.5229, 359.4241

2.4434

342.8206,  
427.0433, 425.5375

■ 0.1996, 1.4364,  
0.8099

■ 0.0000, 0.2433,  
0.0000

■ 57.1303, 81.1494,  
75.6031

■ 57.1303, 81.1494,  
75.6031

■ 52.5880, 78.9310,  
69.8201

■ 62.7044, 83.8928,  
81.7419

■ 49.0014, 77.1988,  
64.3807

■ 69.3739, 87.1942,  
88.2400

■ 46.2879, 75.9100,  
59.2774

■ 77.2001, 91.0849,  
95.1061

■ 44.3484, 75.0139,  
54.5008

■ 86.2389, 95.5936,  
102.3472

■ 43.0423, 74.4380,  
50.0391

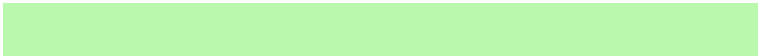
95.0500, 100.0000,  
108.9000

■ 42.8868, 74.3707,  
49.4493

# Harmonies

## Analogous

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



61.5756, 81.1494, 51.8356



57.1303, 81.1494, 75.6031



57.6296, 81.1494, 109.8153

# Triad

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



57.1303, 81.1494, 75.6031



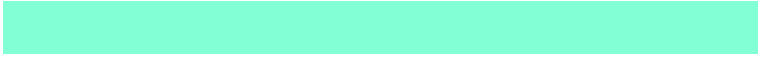
84.2977, 81.1494, 165.0069



93.2078, 81.1494, 48.5722

# Complementary

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



57.1303, 81.1494, 75.6031



56.8997, 40.5107, 44.3563

# 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.



100.5973, 81.1494, 69.8952



57.1303, 81.1494, 75.6031



95.1054, 81.1494, 138.9429

# Square

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



57.1303, 81.1494, 75.6031



72.5374, 81.1494, 167.6620



101.3250, 81.1494, 102.4722

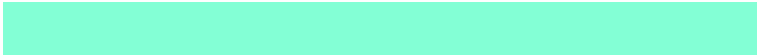


81.9126, 81.1494, 39.0900



# Rectangle

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



57.1303, 81.1494, 75.6031



60.7056, 81.1494, 134.3072



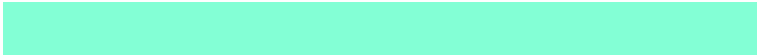
101.3250, 81.1494, 102.4722



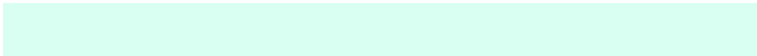
96.2782, 81.1494, 54.3033

# Sweetspot

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



57.1311, 81.1498, 75.6045



80.3347, 92.6469, 97.6881



57.4023, 82.2037, 34.3154



16.8007, 19.6337, 20.5867



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

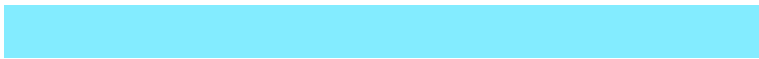
The Same Dimension uses a secret algorithm to generate beautiful new colors.



57.1311, 81.1498, 75.6045



52.8435, 79.0552, 70.1721



57.5215, 72.2674, 105.5250



18.2780, 20.3707, 21.7671



22.4819, 38.8893, 26.2206



2.2401, 3.8070, 2.8221



# Inverse Universe

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



56.8997, 40.5107, 44.3563



52.6105, 34.2372, 35.8208



56.1801, 44.5850, 27.1187



18.2632, 18.0886, 20.0032



22.4965, 11.4879, 5.9989

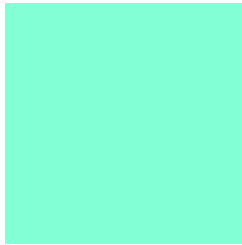


2.2390, 1.1380, 0.8402



# Previews

## White Background



This preview shows how the XYZ color 57.1303, 81.1494, 75.6031 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

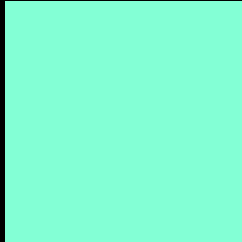
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.1303, 81.1494, 75.6031 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 57.1303, 81.1494, 75.6031

## Background



This preview shows how black text looks on a background with the XYZ color 57.1303, 81.1494, 75.6031.



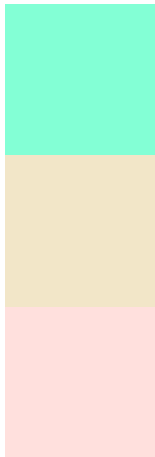
This preview shows how white text looks on a background with the XYZ color 57.1303, 81.1494,

75.6031.

# 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

57.1303, 81.1494, 75.6031

### Protanopia

75.3401, 79.6410, 66.0450

### Deuteranopia

80.9468, 79.7918, 79.5416



## Tritanopia

69.3306, 80.7915, 106.5480

# Trichromacy



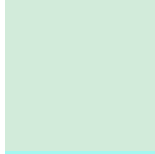
## Original Color

57.1303, 81.1494, 75.6031



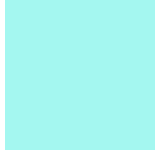
## Protanomaly

66.2431, 78.6973, 69.4563



## Deuteranomaly

68.9416, 78.1803, 77.7864



## Tritanomaly

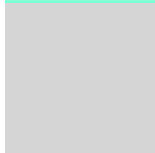
64.2988, 80.7053, 94.6269

# Monochromacy



## Original Color

57.1303, 81.1494, 75.6031



## Achromatopsia

63.2451, 66.5387, 72.4607



## Achromatomaly

59.2821, 70.3582, 73.4068

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.1303, 81.1494, 75.6031 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(131, 255, 213)` looks like.

```
.text, #text, p{  
    color:rgb(131, 255, 213)  
}
```

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(131, 255, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 255, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 57.1303, 81.1494, 75.6031 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(131, 255, 213) }
```



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

```
.border{ border-color:rgb(131, 255, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 255, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 255, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 255, 213);  
box-shadow:4px 4px 4px 4px rgb(131, 255,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.1303, 81.1494, 75.6031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 255, 213) }
```

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

```
.background{ background-color: rgb(131,  
255, 213) }
```

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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