

# Converting Colors

XYZ(51.7745, 78.3895, 75.3003)

Have a look what the booklet for  
XYZ(51.7745, 78.3895, 75.3003)  
contains.

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# Color

**XYZ(51.7947, 78.3988,  
75.3534)**

# Conversions

## Conversions Part 1

Format	Color
Hex	58FFD5
RGB	88, 255, 213
RGB Percent	35%, 100%, 84%
CMY	0.6549, 0.0000, 0.1647
CMYK	0.65, 0.00, 0.16, 0.00
HSL	165°, 100%, 67%
HSV	165°, 65%, 100%
XYZ	51.7947, 78.3988, 75.3534
YIQ	200.2790, -86.0500, -48.4660

# Conversions

## Conversions Part 2

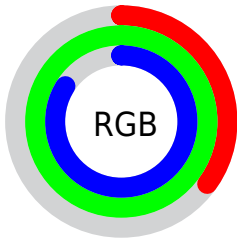
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	88, 184, 255
Decimal	5832661
CIE Lab	90.96, -52.64, 7.51
CIE LCh	91, 53.174, 171.881
Yxy	78.3988, 0.2520, 0.3814
Android (android.graphics.Color)	4284022741 (0xFF58FFD5)
YUV	200.2790, 6.2715, -98.4687
Hunter-Lab	88.5431, -50.5340, 11.5222

# Details

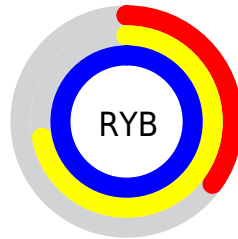
The XYZ color **51.7947, 78.3988, 75.3534** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **48.7597, 29.8522, 24.3125**, and the grayscale version is **55.0728, 57.9408, 63.0976**.

A 20% lighter version of the original color is **67.1364, 85.6100, 107.5937**, and **26.1378, 42.4011, 39.1544** is the 20% darker color. If you saturate the color by 10%, you get **48.9908, 77.0455, 71.0575**, and if you desaturate by 10%, it is **55.4762, 80.2007, 79.8611**.

# Distribution



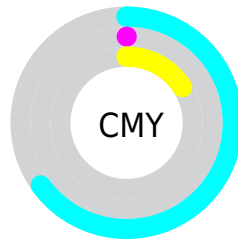
- Red (35%)
- Green (100%)
- Blue (84%)



- Red (35%)
- Yellow (72%)
- Blue (100%)



- Cyan (65%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)



- Cyan (65%)
- Magenta (0%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.7947, 78.3988, 75.3534 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 51.7947, 78.3988, 75.3534 by changing the saturation by 10% instead.




 51.7947, 78.3988,  
75.3534


 51.7947, 78.3988,  
75.3534

383.9805,  
489.5201, 498.4192

 37.0651, 58.4016,  
55.3990


 92.0044, 131.1122,  
128.5642

 25.4318, 42.1316,  
39.3205


 118.2152,  
164.5971, 162.6576

 16.5295, 29.2044,  
26.6994


 148.9838,  
203.3468, 202.3012

 9.9928, 19.2355,  
17.1172

 184.6755,  
247.7457, 247.9133

 5.4564, 11.8406,  
10.1552

225.6556,  
298.1780, 299.9127

 2.5550, 6.6352,  
5.3950


272.2896,


 0.9231, 3.2350,


355.0283, 358.7177


2.4181


324.9428,  
418.6809, 424.7471


 0.0000, 1.2556,  
0.7963


 0.0000, 0.1065,  
0.0000


 51.7947, 78.3988,  
75.3534


 51.7947, 78.3988,  
75.3534


 48.9908, 77.0455,  
71.0575


 55.4762, 80.2007,  
79.8611

 46.9691, 76.0918,  
66.9631

 60.1123, 82.4910,  
84.5821

 45.6158, 75.4790,  
63.0641

 65.7742, 85.3064,  
89.5229

 45.1496, 75.2758,  
61.3648

 72.5256, 88.6795,  
94.6882

■ 80.4248, 92.6405,  
100.0828

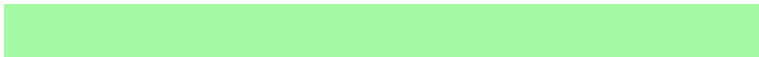
■ 89.5261, 97.2172,  
105.7107

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.



56.0164, 78.3988, 47.4133



51.7947, 78.3988, 75.3534



53.0595, 78.3988, 115.9447

# Triad

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



51.7947, 78.3988, 75.3534



84.5434, 78.3988, 173.8528



91.5914, 78.3988, 39.4521

# Complementary

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



51.7947, 78.3988, 75.3534



48.7597, 29.8522, 24.3125

# 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.



101.0932, 78.3988, 60.6954



51.7947, 78.3988, 75.3534



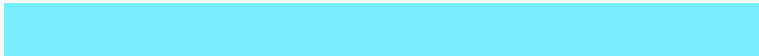
96.6961, 78.3988, 139.5387

# Square

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



51.7947, 78.3988, 75.3534



70.9334, 78.3988, 181.3148



103.0654, 78.3988, 96.2219



78.2167, 78.3988, 31.1437



# Rectangle

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



51.7947, 78.3988, 75.3534



56.9207, 78.3988, 144.7552



103.0654, 78.3988, 96.2219



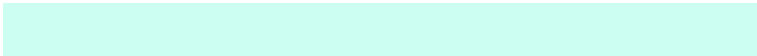
95.4075, 78.3988, 44.9482

# Sweetspot

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



51.7955, 78.3992, 75.3548



76.7150, 90.7786, 97.6201



47.1217, 77.1737, 21.6462



15.9515, 19.1954, 20.5714



0.0000, 0.0000, 0.0000

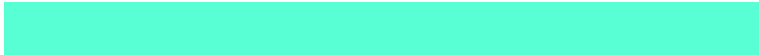


20.3446, 21.4041, 23.3091



# Same Dimension

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



51.7955, 78.3992, 75.3548



48.1968, 76.6677, 69.5968



46.6398, 58.4245, 103.4266



18.3482, 20.3988, 22.1365



23.6548, 39.3585, 32.3972



2.3470, 3.8497, 3.3852



# Inverse Universe

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



48.7597, 29.8522, 24.3125



45.0479, 24.8605, 15.5779



50.5873, 37.1360, 13.7355



18.1968, 18.0620, 19.6532



22.0843, 11.3230, 3.8285

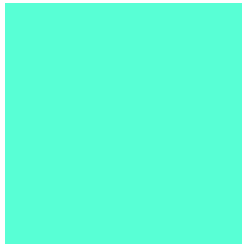


2.1919, 1.1191, 0.5920



# Previews

## White Background



This preview shows how the XYZ color 51.7947, 78.3988, 75.3534 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

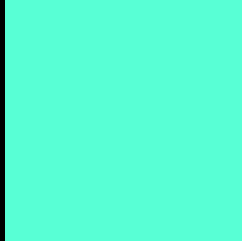
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.7947, 78.3988, 75.3534 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

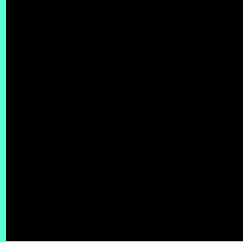
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 51.7947, 78.3988, 75.3534

## Background



This preview shows how black text looks on a background with the XYZ color 51.7947, 78.3988, 75.3534.



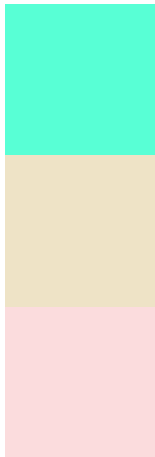
This preview shows how white text looks on a background with the XYZ color 51.7947, 78.3988,

75.3534.

# 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

51.7947, 78.3988, 75.3534

### Protanopia

72.9220, 77.1925, 64.4823

### Deuteranopia

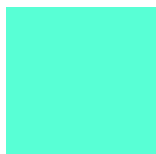
78.4280, 76.9161, 79.1193



## Tritanopia

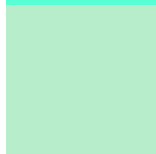
64.2032, 77.7077, 106.2230

# Trichromacy



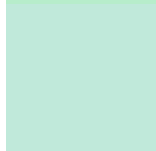
## Original Color

51.7947, 78.3988, 75.3534



## Protanomaly

60.5921, 74.9475, 67.7727



## Deuteranomaly

63.5320, 74.5463, 77.3700



## Tritanomaly

58.5155, 77.2711, 94.2688

# Monochromacy



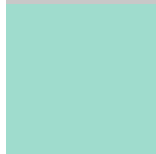
## Original Color

51.7947, 78.3988, 75.3534



## Achromatopsia

54.8990, 57.7580, 62.8985



## Achromatomaly

50.9107, 62.9651, 67.2278

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.7947, 78.3988, 75.3534 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(88, 255, 213)` looks like.

```
.text, #text, p{  
    color:rgb(88, 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(88, 255, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 255, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 51.7947, 78.3988, 75.3534 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(88, 255, 213) }
```



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

```
.border{ border-color:rgb(88, 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(88, 255, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 255, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 255, 213);  
box-shadow:4px 4px 4px 4px rgb(88, 255,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.7947, 78.3988, 75.3534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 255, 213) }
```

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

```
.background{ background-color: rgb(88, 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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