

# Converting Colors

XYZ(55.8250, 85.1750, 79.1460)

Have a look what the booklet for  
XYZ(55.8250, 85.1750, 79.1460)  
contains.

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# Color

**XYZ(52.5988, 78.7539,  
78.0744)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5BFFD9
RGB	91, 255, 217
RGB Percent	36%, 100%, 85%
CMY	0.6431, 0.0000, 0.1490
CMYK	0.64, 0.00, 0.15, 0.00
HSL	166°, 100%, 68%
HSV	166°, 64%, 100%
XYZ	52.5988, 78.7539, 78.0744
YIQ	201.6320, -85.5460, -46.5860

# Conversions

## Conversions Part 2

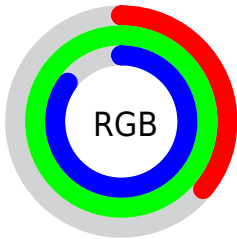
<b>Format</b>	<b>Color</b>
<b>RYB</b>	91, 184, 255
Decimal	6029273
CIELab	91.12, -51.23, 5.68
CIELCh	91, 51.548, 173.670
Yxy	78.7539, 0.2512, 0.3760
Android (android.graphics.Color)	4284219353 (0xFF5BFFD9)
YUV	201.6320, 7.5764, -97.0243
Hunter-Lab	88.7434, -49.5028, 9.9584

# Details

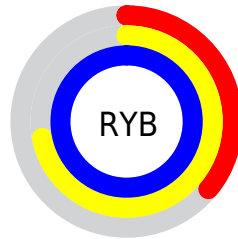
The XYZ color **52.5988, 78.7539, 78.0744** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **48.9444, 30.3284, 24.0449**, and the grayscale version is **55.9030, 58.8143, 64.0488**.

A 20% lighter version of the original color is **67.7146, 85.9081, 107.6207**, and **26.4878, 42.5411, 40.9976** is the 20% darker color. If you saturate the color by 10%, you get **49.7433, 77.3690, 74.0015**, and if you desaturate by 10%, it is **56.3372, 80.5907, 82.3350**.

# Distribution



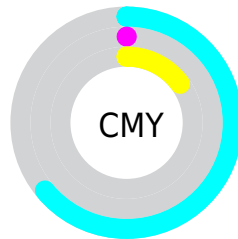
- Red (36%)
- Green (100%)
- Blue (85%)



- Red (36%)
- Yellow (72%)
- Blue (100%)



- Cyan (64%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (64%)
- Magenta (0%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.5988, 78.7539, 78.0744 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 52.5988, 78.7539, 78.0744 by changing the saturation by 10% instead.





 52.5988, 78.7539,  
78.0744


 52.5988, 78.7539,  
78.0744


387.0301,  
490.7234, 507.9541


 37.7088, 58.6935,  
57.6183


 93.1828, 131.6123,  
132.4418

 25.9329, 42.3664,  
41.0892


 119.6074,  
165.1792, 167.1902

 16.9059, 29.3883,  
28.0686


 150.6076,  
204.0169, 207.5398

 10.2623, 19.3748,  
18.1378

 186.5488,  
248.5100, 253.9090

 5.6368, 11.9414,  
10.8785

227.7963,  
299.0428, 306.7166

 2.6641, 6.7038,  
5.8721

274.7154,

 0.9787, 3.2775,

355.9997, 366.3809

2.6999

327.6716,  
419.7651, 433.3205

0.0000, 1.2783,  
0.9434

0.0000, 0.1243,  
0.0000

52.5988, 78.7539,  
78.0744

52.5988, 78.7539,  
78.0744

49.7433, 77.3690,  
74.0015

56.3372, 80.5907,  
82.3350

47.6771, 76.3880,  
70.1063

61.0341, 82.9184,  
86.7843

46.2900, 75.7538,  
66.3836

66.7597, 85.7732,  
91.4282

45.7142, 75.5017,  
64.3379

73.5769, 89.1875,  
96.2712

■ 81.5435, 93.1910,  
101.3173

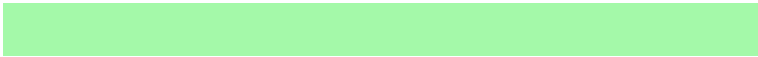
■ 90.7131, 97.8113,  
106.5705

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.



56.4186, 78.7539, 49.8594



52.5988, 78.7539, 78.0744



54.1601, 78.7539, 117.9243

# Triad

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



52.5988, 78.7539, 78.0744



85.3757, 78.7539, 169.7488



90.7095, 78.7539, 39.9388

# Complementary

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



52.5988, 78.7539, 78.0744



48.9444, 30.3284, 24.0449

# 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.



100.2417, 78.7539, 60.0343



52.5988, 78.7539, 78.0744



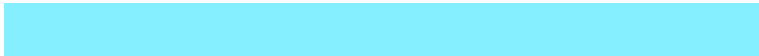
96.9207, 78.7539, 135.7063

# Square

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



52.5988, 78.7539, 78.0744



72.1230, 78.7539, 178.7353



102.6372, 78.7539, 93.9120



77.6515, 78.7539, 32.3542



# Rectangle

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



52.5988, 78.7539, 78.0744



58.1444, 78.7539, 145.4942



102.6372, 78.7539, 93.9120



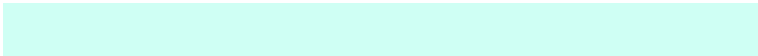
94.4907, 78.7539, 45.1136

# Sweetspot

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



52.5997, 78.7544, 78.0758



77.6614, 91.2386, 98.9257



46.7432, 76.9639, 22.2910



16.1432, 19.2879, 20.8666



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.



52.5997, 78.7544, 78.0758



49.1142, 77.0676, 72.9367



45.7261, 56.1665, 103.0389



18.3642, 20.4052, 22.2209



23.9468, 39.4753, 33.9350



2.3733, 3.8602, 3.5234



# Inverse Universe

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



48.9444, 30.3284, 24.0449



45.2921, 25.3545, 15.6422



51.7561, 39.2705, 14.7512



18.1818, 18.0560, 19.5744



22.0093, 11.2930, 3.4336

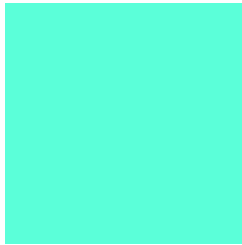


2.1827, 1.1155, 0.5437



# Previews

## White Background



This preview shows how the XYZ color 52.5988, 78.7539, 78.0744 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

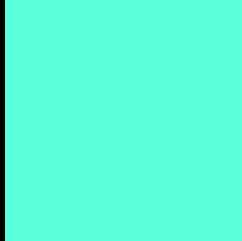
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.5988, 78.7539, 78.0744 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

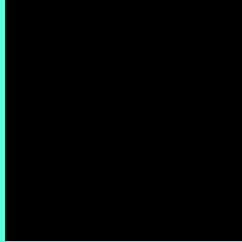
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 52.5988, 78.7539, 78.0744

## Background



This preview shows how black text looks on a background with the XYZ color 52.5988, 78.7539, 78.0744.



This preview shows how white text looks on a background with the XYZ color 52.5988, 78.7539,



# 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

52.5988, 78.7539, 78.0744

### Protanopia

73.3897, 77.3796, 66.9448

### Deuteranopia

78.9675, 77.1319, 81.9601



## Tritanopia

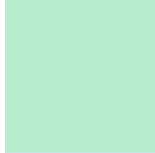
64.6096, 77.9171, 106.2420

# Trichromacy



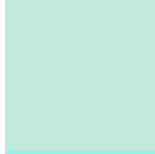
## Original Color

52.5988, 78.7539, 78.0744



## Protanomaly

61.5543, 75.3877, 70.3385



## Deuteranomaly

64.3160, 74.8892, 80.1725



## Tritanomaly

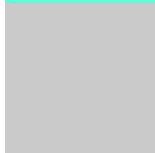
59.1495, 77.5808, 95.0762

# Monochromacy



## Original Color

52.5988, 78.7539, 78.0744



## Achromatopsia

56.1383, 59.0619, 64.3184



## Achromatomaly

52.0192, 63.8993, 68.6236

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.5988, 78.7539, 78.0744 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(91, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(91, 255, 217)  
}
```

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(91, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 255, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 52.5988, 78.7539, 78.0744 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(91, 255, 217) }
```



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

```
.border{ border-color:rgb(91, 255, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 255, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(91, 255,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.5988, 78.7539, 78.0744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 255, 217) }
```

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

```
.background{ background-color: rgb(91, 255,  
217) }
```

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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