

# Converting Colors

XYZ(58.4863, 93.8512, 61.7020)

Have a look what the booklet for  
XYZ(58.4863, 93.8512, 61.7020)  
contains.

<b>XYZ(50.5668, 78.1293, 58.8697)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(50.5668, 78.1293,  
58.8697)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6AFFBA
RGB	106, 255, 186
RGB Percent	42%, 100%, 73%
CMY	0.5843, 0.0000, 0.2706
CMYK	0.58, 0.00, 0.27, 0.00
HSL	152°, 100%, 71%
HSV	152°, 58%, 100%
XYZ	50.5668, 78.1293, 58.8697
YIQ	202.5830, -66.6550, -53.0470

# Conversions

## Conversions Part 2

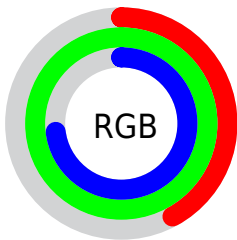
Format	Color
<a href="#">RYB</a>	<a href="#">106, 203, 255</a>
Decimal	<a href="#">7012282</a>
CIELab	<a href="#">90.84, -55.37, 21.27</a>
CIELCh	<a href="#">91, 59.312, 158.982</a>
Yxy	<a href="#">78.1293, 0.2696, 0.4165</a>
Android (android.graphics.Color)	<a href="#">4285202362 (0xFF6AFFBA)</a>
YUV	<a href="#">202.5830, -8.1754, -84.7033</a>
Hunter-Lab	<a href="#">88.3908, -52.5672, 22.3854</a>

# Details

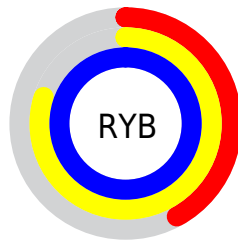
The XYZ color **50.5668, 78.1293, 58.8697** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **54.1325, 34.6641, 44.3960**, and the grayscale version is **56.5831, 59.5298, 64.8279**.

A 20% lighter version of the original color is **67.9355, 86.2556, 97.0728**, and **24.6519, 41.8590, 28.9706** is the 20% darker color. If you saturate the color by 10%, you get **46.7699, 76.3110, 52.4080**, and if you desaturate by 10%, it is **55.3696, 80.4541, 65.9228**.

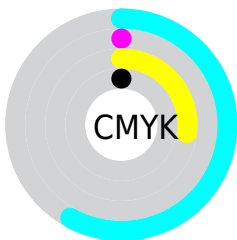
# Distribution



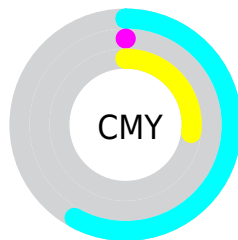
- Red (42%)
- Green (100%)
- Blue (73%)



- Red (42%)
- Yellow (80%)
- Blue (100%)



- Cyan (58%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)




- Cyan (58%)
- Magenta (0%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.5668, 78.1293, 58.8697 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 50.5668, 78.1293, 58.8697 by changing the saturation by 10% instead.





 50.5668, 78.1293,  
58.8697


 50.5668, 78.1293,  
58.8697


379.2938,  
488.6058, 438.1073


 36.0836, 58.1802,  
42.0889


 90.2009, 130.7324,  
104.7155

 24.6692, 41.9535,  
28.8448


 116.0825,  
164.1551, 134.6176

 15.9582, 29.0649,  
18.7189


 146.4944,  
202.8379, 169.7306

 9.5852, 19.1299,  
11.2926

181.8017,  
247.1651, 210.4730

 5.1850, 11.7642,  
6.1474

222.3700,  
297.5211, 257.2633

 2.3921, 6.5833,  
2.8647

268.5645,

 0.8412, 3.2029,

354.2903, 310.5201

1.0259

320.7507,  
417.8571, 370.6619

0.0000, 1.2386,  
0.0000

0.0000, 0.0929,  
0.0000

50.5668, 78.1293,  
58.8697

50.5668, 78.1293,  
58.8697

46.7699, 76.3110,  
52.4080

55.3696, 80.4541,  
65.9228

43.8916, 74.9547,  
46.5165


61.2509, 83.3227,  
73.5792


41.8326, 74.0092,  
41.1785

68.2789, 86.7699,  
81.8557

40.4534, 73.4031,  
36.3734

76.5154, 90.8272,  
90.7670

 40.2692, 73.3237,  
35.6649

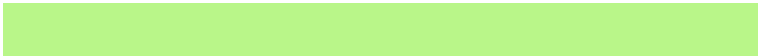
 86.0174, 95.5239,  
100.3270

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.



57.6325, 78.1293, 35.8465



50.5668, 78.1293, 58.8697



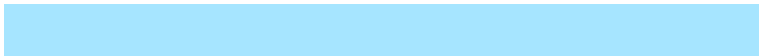
49.3712, 78.1293, 98.5549

# Triad

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



50.5668, 78.1293, 58.8697



78.8300, 78.1293, 194.7865



98.8712, 78.1293, 43.1395

# Complementary

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



50.5668, 78.1293, 58.8697



54.1325, 34.6641, 44.3960

# 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.



106.3588, 78.1293, 72.8741



50.5668, 78.1293, 58.8697



93.8115, 78.1293, 166.2688

# Square

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



50.5668, 78.1293, 58.8697



64.4367, 78.1293, 187.1417



104.3925, 78.1293, 118.0765



85.0332, 78.1293, 29.1082



# Rectangle

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



50.5668, 78.1293, 58.8697



51.8816, 78.1293, 131.4209



104.3925, 78.1293, 118.0765



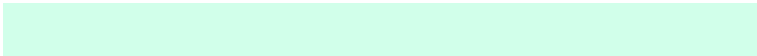
102.2932, 78.1293, 51.1420

# Sweetspot

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



50.5675, 78.1297, 58.8710



76.8974, 91.0157, 91.1644



56.1613, 81.7367, 26.4535



15.9154, 19.2129, 18.9420



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.



50.5675, 78.1297, 58.8710



46.2594, 76.0687, 51.4455



58.1903, 78.6764, 106.7269



18.1794, 20.3313, 21.2475



21.1178, 38.3437, 19.0373



2.1114, 3.7555, 2.1443



# Inverse Universe

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



54.1325, 34.6641, 44.3960



50.1310, 29.0068, 35.8306



49.5229, 33.6631, 17.5242



18.3593, 18.1270, 20.5094



23.3337, 11.8228, 10.4079

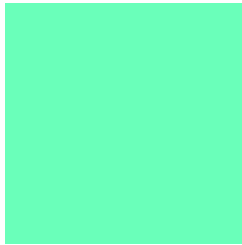


2.3264, 1.1729, 1.3003



# Previews

## White Background



This preview shows how the XYZ color 50.5668, 78.1293, 58.8697 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

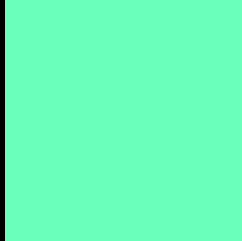
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.5668, 78.1293, 58.8697 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 50.5668, 78.1293, 58.8697**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.5668, 78.1293, 58.8697.



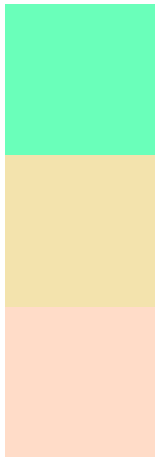
This preview shows how white text looks on a background with the XYZ color 50.5668, 78.1293,



# 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

50.5668, 78.1293, 58.8697

### Protanopia

71.9741, 77.0100, 50.6061

### Deuteranopia

77.2585, 76.6165, 65.3601



## Tritanopia

64.5199, 77.4327, 106.1532

# Trichromacy



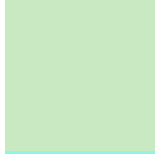
## Original Color

50.5668, 78.1293, 58.8697



## Protanomaly

60.3124, 75.1202, 53.4403



## Deuteranomaly

63.0766, 74.6355, 62.7114



## Tritanomaly

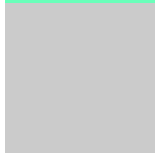
58.2630, 76.8576, 86.6271

# Monochromacy



## Original Color

50.5668, 78.1293, 58.8697



## Achromatopsia

56.7640, 59.7202, 65.0353



## Achromatomaly

52.3478, 64.5986, 62.5331

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.5668, 78.1293, 58.8697 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(106, 255, 186)` looks like.

```
.text, #text, p{  
    color:rgb(106, 255, 186)  
}
```

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(106, 255, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 255, 186) }
```

## Border

The CSS property to change the border of an element to XYZ 50.5668, 78.1293, 58.8697 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(106, 255, 186) }
```



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

```
.border{ border-color:rgb(106, 255, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 255, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 255, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 255, 186);  
box-shadow:4px 4px 4px 4px rgb(106, 255,  
186) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.5668, 78.1293, 58.8697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 255, 186) }
```

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

```
.background{ background-color: rgb(106,  
255, 186) }
```

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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