

# Converting Colors

XYZ(51.6124, 76.3264, 68.9060)

Have a look what the booklet for  
XYZ(51.6124, 76.3264, 68.9060)  
contains.

<b>XYZ(51.5151, 76.0458, 69.0899)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(51.5151, 76.0458,  
69.0899)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6EFACC
RGB	110, 250, 204
RGB Percent	43%, 98%, 80%
CMY	0.5686, 0.0196, 0.2000
CMYK	0.56, 0.00, 0.18, 0.02
HSL	160°, 93%, 71%
HSV	160°, 56%, 98%
XYZ	51.5151, 76.0458, 69.0899
YIQ	202.8960, -68.6740, -43.9860

# Conversions

## Conversions Part 2

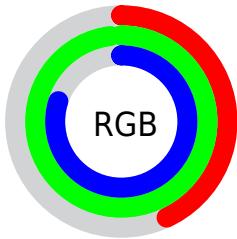
<b>Format</b>	<b>Color</b>
<b>RYB</b>	110, 194, 250
Decimal	7273164
CIELab	89.88, -48.72, 10.69
CIELCh	90, 49.877, 167.624
Yxy	76.0458, 0.2620, 0.3867
Android (android.graphics.Color)	4285463244 (0xFF6EFACC)
YUV	202.8960, 0.5443, -81.4698
Hunter-Lab	87.2042, -47.1602, 14.0689

# Details

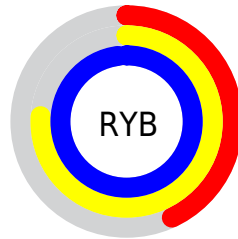
The XYZ color **51.5151, 76.0458, 69.0899** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **51.0036, 33.8781, 35.3064**, and the grayscale version is **56.7289, 59.6832, 64.9950**.

A 20% lighter version of the original color is **70.6046, 87.3979, 107.7560**, and **25.3379, 40.7353, 35.3814** is the 20% darker color. If you saturate the color by 10%, you get **47.8732, 74.2811, 63.9122**, and if you desaturate by 10%, it is **56.0904, 78.2895, 74.5860**.

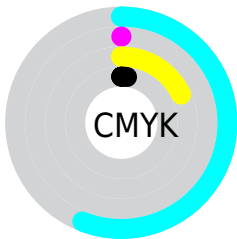
# Distribution



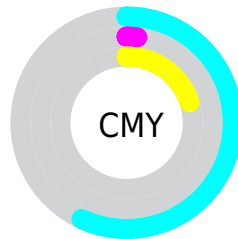
- Red (43%)
- Green (98%)
- Blue (80%)



- Red (43%)
- Yellow (76%)
- Blue (98%)



- Cyan (56%)
- Magenta (0%)
- Yellow (18%)
- Black (2%)




- Cyan (57%)
- Magenta (2%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.5151, 76.0458, 69.0899 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 51.5151, 76.0458, 69.0899 by changing the saturation by 10% instead.





 51.5151, 76.0458,  
69.0899


 51.5151, 76.0458,  
69.0899


382.9165,  
481.5045, 476.0505


 36.8414, 56.4701,  
50.3127


 91.5942, 127.7916,  
119.5789

 25.2578, 40.5799,  
35.2890


 117.7303,  
160.7305, 152.1278

 16.3990, 27.9910,  
23.6003


 148.4180,  
198.8926, 190.1043

 9.8996, 18.3189,  
14.8279

184.0225,  
242.6623, 233.9270

 5.3942, 11.1792,  
8.5534

224.9093,  
292.4239, 284.0144

 2.5175, 6.1875,  
4.3582

271.4436,

 0.9041, 2.9594,

348.5619, 340.7851

1.8239

323.9909,  
411.4606, 404.6576

■ 0.0000, 1.1106,  
0.4436

■ 0.0000, 0.0000,  
0.0000

■ 51.5151, 76.0458,  
69.0899

■ 51.5151, 76.0458,  
69.0899

■ 47.8732, 74.2811,  
63.9122

■ 56.0904, 78.2895,  
74.5860

■ 45.0817, 72.9470,  
59.0397


■ 61.6607, 81.0382,  
80.4023


■ 43.0531, 72.0004,  
54.4660


■ 68.2894, 84.3262,  
86.5476


■ 41.6764, 71.3841,  
50.1814

■ 76.0328, 88.1827,  
93.0282

 41.2414, 71.1956,  
48.5439

 84.9431, 92.6343,  
99.8504

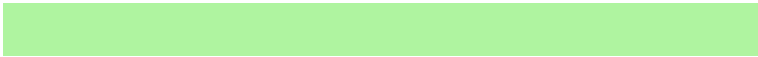
 93.2029, 96.7442,  
106.9329

 93.4769, 96.8538,  
108.3756

# Harmonies

## Analogous

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



56.1481, 76.0458, 44.9642



51.5151, 76.0458, 69.0899



51.9645, 76.0458, 105.0961

# Triad

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



51.5151, 76.0458, 69.0899



79.6942, 76.0458, 165.7898



89.4569, 76.0458, 42.1025

# Complementary

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



51.5151, 76.0458, 69.0899



51.0036, 33.8781, 35.3064

# 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.



97.2990, 76.0458, 63.9054



51.5151, 76.0458, 69.0899



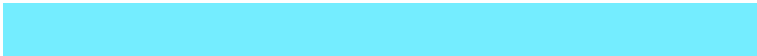
91.2371, 76.0458, 137.4849

# Square

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



51.5151, 76.0458, 69.0899



67.3182, 76.0458, 168.3579



97.9853, 76.0458, 98.2156



77.4783, 76.0458, 32.6268



# Rectangle

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



51.5151, 76.0458, 69.0899



55.0875, 76.0458, 131.5281



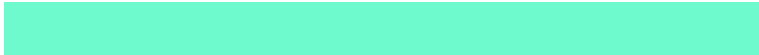
97.9853, 76.0458, 98.2156



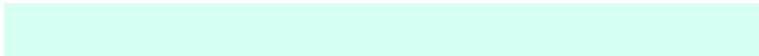
92.7204, 76.0458, 47.8951

# Sweetspot

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



51.5172, 76.0488, 69.0917



78.6513, 91.8014, 96.6020



50.8422, 76.6348, 26.8655



16.4706, 19.4678, 20.3805



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.



51.5172, 76.0488, 69.0917



49.7222, 77.5288, 66.2921



51.0661, 64.9760, 100.2961



17.5091, 19.5059, 20.8813



21.9441, 37.7906, 26.1125



2.0813, 3.5196, 2.6758



# Inverse Universe

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



51.0036, 33.8781, 35.3064



49.1770, 29.5260, 28.0301



50.6744, 38.3184, 19.4785



17.4798, 17.3193, 19.1162



21.7815, 11.1283, 5.5580

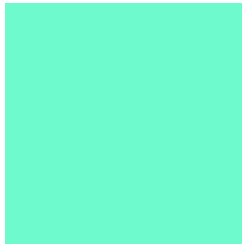


2.0640, 1.0494, 0.7607



# Previews

## White Background



This preview shows how the XYZ color 51.5151, 76.0458, 69.0899 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

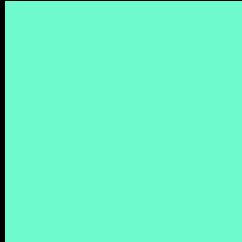
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.5151, 76.0458, 69.0899 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 51.5151, 76.0458, 69.0899**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.5151, 76.0458, 69.0899.



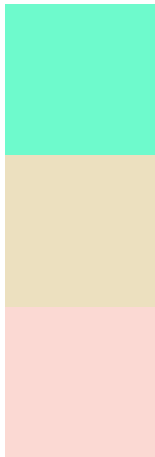
This preview shows how white text looks on a background with the XYZ color 51.5151, 76.0458, 69.0899.



# 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

51.5151, 76.0458, 69.0899

### Protanopia

70.6517, 74.9058, 60.0247

### Deuteranopia

76.3544, 74.8381, 72.0489



## Tritanopia

62.0534, 75.7253, 105.9536

# Trichromacy



## Original Color

51.5151, 76.0458, 69.0899



## Protanomaly

60.3379, 73.2105, 63.1754



## Deuteranomaly

63.2239, 72.8720, 70.4080



## Tritanomaly

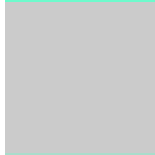
57.5074, 75.4757, 90.8942

# Monochromacy



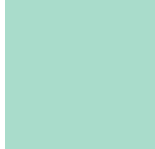
## Original Color

51.5151, 76.0458, 69.0899



## Achromatopsia

56.7640, 59.7202, 65.0353



## Achromatomaly

52.7349, 63.9332, 66.0608

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.5151, 76.0458, 69.0899 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(110, 250, 204)` looks like.

```
.text, #text, p{  
    color:rgb(110, 250, 204)  
}
```

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(110, 250, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 250, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 51.5151, 76.0458, 69.0899 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(110, 250, 204) }
```



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

```
.border{ border-color:rgb(110, 250, 204) }
```

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

Here you see how a box with a 4 pixel rgb(110, 250, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 250, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 250, 204);  
box-shadow:4px 4px 4px 4px rgb(110, 250,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.5151, 76.0458, 69.0899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 250, 204) }
```

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

```
.background{ background-color: rgb(110,  
250, 204) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor