

# Converting Colors

XYZ(40.8131, 58.7727, 51.6969)

Have a look what the booklet for  
XYZ(40.8131, 58.7727, 51.6969)  
contains.

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# Color

**XYZ(40.9401, 58.9420,  
51.8670)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	70DEB3
RGB	112, 222, 179
RGB Percent	44%, 87%, 70%
CMY	0.5608, 0.1294, 0.2980
CMYK	0.50, 0.00, 0.19, 0.13
HSL	157°, 63%, 65%
HSV	157°, 50%, 87%
XYZ	40.9401, 58.9420, 51.8670
YIQ	184.2080, -51.7570, -36.6930

# Conversions

## Conversions Part 2

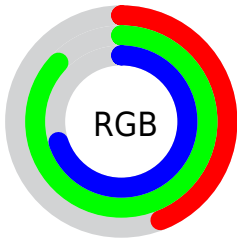
Format	Color
<a href="#">RYB</a>	<a href="#">112, 180, 222</a>
Decimal	<a href="#">7397043</a>
CIELab	<a href="#">81.26, -41.62, 11.49</a>
CIELCh	<a href="#">81, 43.173, 164.563</a>
Yxy	<a href="#">58.9420, 0.2698, 0.3884</a>
Android (android.graphics.Color)	<a href="#">4285587123 (0xFF70DEB3)</a>
YUV	<a href="#">184.2080, -2.5675, -63.3264</a>
Hunter-Lab	<a href="#">76.7737, -39.1676, 13.6863</a>

# Details

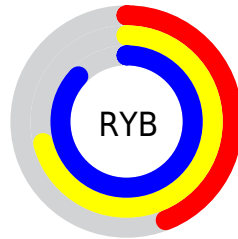
The XYZ color **40.9401, 58.9420, 51.8670** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **41.8368, 29.4860, 34.4991**, and the grayscale version is **45.7106, 48.0911, 52.3712**.

A 20% lighter version of the original color is **67.3330, 86.0642, 91.6605**, and **18.7674, 29.4826, 24.4402** is the 20% darker color. If you saturate the color by 10%, you get **37.6059, 57.3230, 47.2731**, and if you desaturate by 10%, it is **45.0290, 60.9468, 56.7872**.

# Distribution



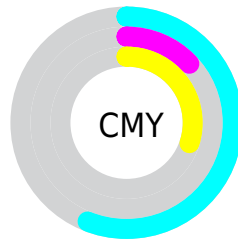
- Red (44%)
- Green (87%)
- Blue (70%)



- Red (44%)
- Yellow (71%)
- Blue (87%)



- Cyan (50%)
- Magenta (0%)
- Yellow (19%)
- Black (13%)




- Cyan (56%)
- Magenta (13%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9401, 58.9420, 51.8670 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 40.9401, 58.9420, 51.8670 by changing the saturation by 10% instead.





 40.9401, 58.9420,  
51.8670


 40.9401, 58.9420,  
51.8670


341.1371,  
420.6869, 410.8653


 28.4597, 42.5664,  
36.5176


 75.8682, 103.2934,  
94.3596

 18.8147, 29.5451,  
24.5413


 99.0467, 132.0379,  
122.3399

 11.6397, 19.4935,  
15.5198


 126.5220,  
165.6743, 155.3676

 6.5693, 12.0274,  
9.0343

158.6594,  
204.5869, 193.8612

 3.2381, 6.7624,  
4.6665

195.8242,  
249.1600, 238.2392

 1.2809, 3.3139,  
1.9976

238.3818,

 0.1689, 1.2977,

299.7782, 288.9202

0.5538

286.6977,  
356.8257, 346.3227

■ 0.0000, 0.1395,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 40.9401, 58.9420,  
51.8670

■ 40.9401, 58.9420,  
51.8670

■ 37.6059, 57.3230,  
47.2731

■ 45.0290, 60.9468,  
56.7872

■ 34.9686, 56.0554,  
42.9937


■ 49.9157, 63.3549,  
62.0371


■ 32.9692, 55.1105,  
39.0219


■ 55.6455, 66.1909,  
67.6249


■ 31.5363, 54.4516,  
35.3488

■ 62.2587, 69.4757,  
73.5576

 30.5510, 54.0176,  
31.9631

 69.7933, 73.2286,  
79.8415

 30.5108, 54.0000,  
31.8168

 78.2846, 77.4679,  
86.4830

 83.0538, 79.7812,  
93.2676

 84.3727, 80.3088,  
100.2126

 85.4123, 80.7247,  
105.6874

# Harmonies

## Analogous

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



44.7340, 58.9420, 34.9428



40.9401, 58.9420, 51.8670



40.8847, 58.9420, 77.4662

# Triad

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



40.9401, 58.9420, 51.8670



60.4884, 58.9420, 125.1033



69.2814, 58.9420, 35.3005

# Complementary

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



40.9401, 58.9420, 51.8670



41.8368, 29.4860, 34.4991

# 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.



74.5001, 58.9420, 52.5033



40.9401, 58.9420, 51.8670



69.0665, 58.9420, 106.3698

# Square

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



40.9401, 58.9420, 51.8670



51.5406, 58.9420, 124.7982



74.4175, 58.9420, 78.2971



60.7571, 58.9420, 27.2735



# Rectangle

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



40.9401, 58.9420, 51.8670



42.9438, 58.9420, 96.6067



74.4175, 58.9420, 78.2971



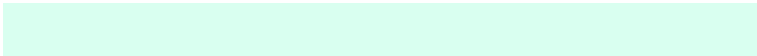
71.5190, 58.9420, 39.9638

# Sweetspot

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



40.9417, 58.9444, 51.8684



80.0362, 92.5275, 96.1160



42.7581, 60.4829, 24.7510



16.7286, 19.6049, 20.2070



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.



40.9417, 58.9444, 51.8684



51.5179, 78.4900, 64.7700



43.1631, 55.3096, 77.5109



13.8777, 15.4768, 16.3913



18.1781, 32.0961, 19.1930



1.3036, 2.2422, 1.5598



# Inverse Universe

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



41.8368, 29.4860, 34.4991



52.8895, 33.9292, 38.5834



40.1336, 30.8669, 19.1728



13.9280, 13.7888, 15.3909



18.9607, 9.6513, 6.4586

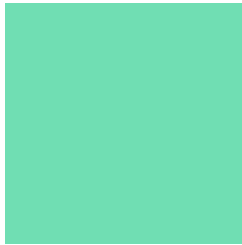


1.3573, 0.6862, 0.6743



# Previews

## White Background



This preview shows how the XYZ color 40.9401, 58.9420, 51.8670 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 40.9401, 58.9420, 51.8670 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

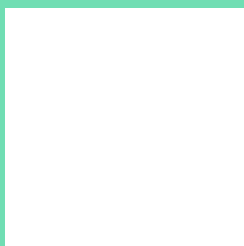
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 40.9401, 58.9420, 51.8670**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.9401, 58.9420, 51.8670.



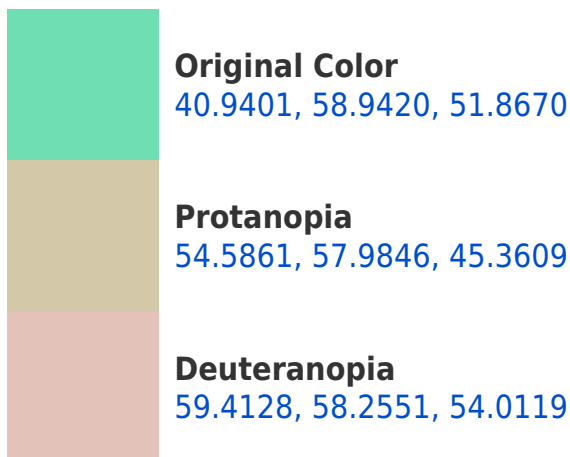
This preview shows how white text looks on a background with the XYZ color 40.9401, 58.9420,



# 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





## Tritanopia

47.6183, 58.9391, 85.2106

# Trichromacy



## Original Color

40.9401, 58.9420, 51.8670



## Protanomaly

47.6815, 57.2043, 47.5582



## Deuteranomaly

50.1477, 56.9189, 53.1431



## Tritanomaly

45.1077, 59.0845, 71.9778

# Monochromacy



## Original Color

40.9401, 58.9420, 51.8670



## Achromatopsia

45.5594, 47.9320, 52.1980



## Achromatomaly

42.7381, 51.0347, 51.8541

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.9401, 58.9420, 51.8670 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(112, 222, 179)` looks like.

```
.text, #text, p{  
    color:rgb(112, 222, 179)  
}
```

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(112, 222, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 222, 179) }
```

## Border

The CSS property to change the border of an element to XYZ 40.9401, 58.9420, 51.8670 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(112, 222, 179) }
```



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

```
.border{ border-color:rgb(112, 222, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 222, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 222, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 222, 179);  
box-shadow:4px 4px 4px 4px rgb(112, 222,  
179) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.9401, 58.9420, 51.8670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 222, 179) }
```

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

```
.background{ background-color: rgb(112,  
222, 179) }
```

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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