

# Converting Colors

XYZ(40.2520, 52.3244, 58.1594)

Have a look what the booklet for  
XYZ(40.2520, 52.3244, 58.1594)  
contains.

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# Color

**XYZ(40.3011, 52.4285,  
58.4477)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7ECEC1
RGB	126, 206, 193
RGB Percent	49%, 81%, 76%
CMY	0.5059, 0.1921, 0.2431
CMYK	0.39, 0.00, 0.06, 0.19
HSL	170°, 45%, 65%
HSV	170°, 39%, 81%
XYZ	40.3011, 52.4285, 58.4477
YIQ	180.5980, -43.5070, -21.0030

# Conversions

## Conversions Part 2

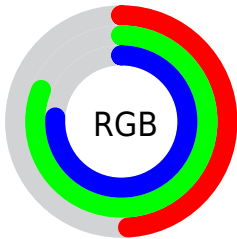
<b>Format</b>	<b>Color</b>
<b>RYB</b>	126, 170, 206
Decimal	8310465
CIELab	77.54, -27.54, -1.27
CIELCh	78, 27.571, 182.645
Yxy	52.4285, 0.2666, 0.3468
Android (android.graphics.Color)	4286500545 (0xFF7ECEC1)
YUV	180.5980, 6.1142, -47.8824
Hunter-Lab	72.4075, -27.3624, 2.8261

# Details

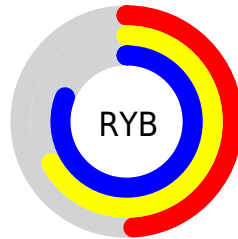
The XYZ color **40.3011, 52.4285, 58.4477** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **37.5764, 29.9090, 28.2205**, and the grayscale version is **43.6901, 45.9654, 50.0563**.

A 20% lighter version of the original color is **72.1503, 88.3046, 102.8643**, and **18.3988, 25.3663, 28.7374** is the 20% darker color. If you saturate the color by 10%, you get **37.2017, 50.8747, 56.3759**, and if you desaturate by 10%, it is **44.0374, 54.3123, 60.5957**.

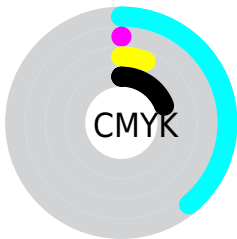
# Distribution



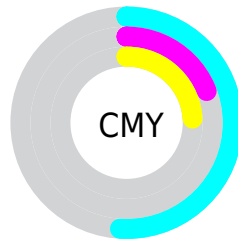
- Red (49%)
- Green (81%)
- Blue (76%)



- Red (49%)
- Yellow (67%)
- Blue (81%)



- Cyan (39%)
- Magenta (0%)
- Yellow (6%)
- Black (19%)



- Cyan (51%)
- Magenta (19%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.3011, 52.4285, 58.4477 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 40.3011, 52.4285, 58.4477 by changing the saturation by 10% instead.



■ 40.3011, 52.4285,  
58.4477

■ 40.3011, 52.4285,  
58.4477

338.5037,  
396.0886, 436.4969

■ 27.9586, 37.3467,  
41.7516

■ 74.9032, 93.7629,  
104.0957

■ 18.4348, 25.4761,  
28.5827

■ 97.8936, 120.7843,  
133.8848

■ 11.3642, 16.4321,  
18.5225

■ 125.1640,  
152.5544, 168.8752

■ 6.3814, 9.8304,  
11.1525

157.0798,  
189.4575, 209.4855

■ 3.1212, 5.2867,  
6.0540

194.0063,  
231.8781, 256.1343

■ 1.2182, 2.4164,  
2.8086

236.3089,

■ 0.1207, 0.8343,

280.2006, 309.2401

0.9978

284.3529,  
334.8093, 369.2214

■ 0.0000, 0.0000,  
0.0000

■ 40.3011, 52.4285,  
58.4477

■ 40.3011, 52.4285,  
58.4477

■ 37.2017, 50.8747,  
56.3759

■ 44.0374, 54.3123,  
60.5957

■ 34.6960, 49.6247,  
54.3746

■ 48.4416, 56.5381,  
62.8183

■ 32.7425, 48.6583,  
52.4427


■ 53.5479, 59.1249,  
65.1185


■ 31.2923, 47.9505,  
50.5776


■ 59.3869, 62.0884,  
67.4980


■ 30.2879, 47.4715,  
48.7764


■ 65.9875, 65.4435,  
69.9583


 29.6367, 47.1737,  
47.0344

 73.3768, 69.2042,  
72.5012

 29.5689, 47.1431,  
46.8346

 75.7636, 70.3850,  
74.8557

 76.2022, 70.5604,  
77.1651

 76.6496, 70.7394,  
79.5213

# Harmonies

## Analogous

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



41.2920, 52.4285, 44.6614



40.3011, 52.4285, 58.4477



41.7096, 52.4285, 74.3810

# Triad

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



40.3011, 52.4285, 58.4477



55.5525, 52.4285, 85.4584



54.6784, 52.4285, 34.8299

# Complementary

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



40.3011, 52.4285, 58.4477



37.5764, 29.9090, 28.2205

# 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.



58.9452, 52.4285, 42.7036



40.3011, 52.4285, 58.4477



59.4745, 52.4285, 71.6237

# Square

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



40.3011, 52.4285, 58.4477



50.3050, 52.4285, 91.6124



60.7576, 52.4285, 55.7451



49.3614, 52.4285, 32.5488



# Rectangle

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



40.3011, 52.4285, 58.4477



43.8826, 52.4285, 83.6652



60.7576, 52.4285, 55.7451



56.2956, 52.4285, 36.8318

# Sweetspot

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



40.3026, 52.4306, 58.4489



83.8841, 94.3351, 104.2518



36.5420, 51.1688, 27.6902



17.7171, 20.0712, 22.2083



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.



40.3026, 52.4306, 58.4489



60.8467, 82.7117, 91.7507



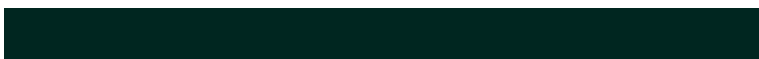
35.9333, 41.2676, 64.4665



11.4619, 12.6945, 13.9898



18.2372, 29.0402, 28.9980



0.9623, 1.5067, 1.6090



# Inverse Universe

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



37.5764, 29.9090, 28.2205



55.8102, 40.9839, 35.8163



40.5580, 37.3033, 24.8022



11.2855, 11.2429, 12.0378



15.8706, 8.1588, 1.7715



0.8426, 0.4305, 0.2172



# Previews

## White Background



This preview shows how the XYZ color 40.3011, 52.4285, 58.4477 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

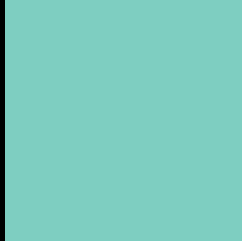
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.3011, 52.4285, 58.4477 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

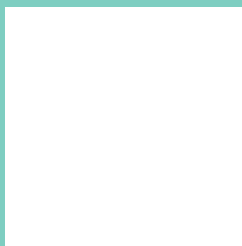
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 40.3011, 52.4285, 58.4477**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.3011, 52.4285, 58.4477.



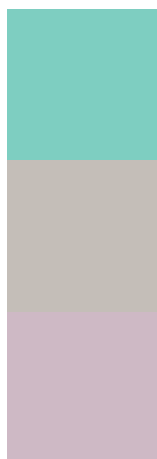
This preview shows how white text looks on a background with the XYZ color 40.3011, 52.4285,



# 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

40.3011, 52.4285, 58.4477

### Protanopia

49.8301, 52.0234, 52.7626

### Deuteranopia

52.8806, 51.8510, 60.0444



## Tritanopia

43.4483, 52.2896, 74.1326

# Trichromacy



**Original Color**

40.3011, 52.4285, 58.4477

**Protanomaly**

45.5042, 51.7256, 54.5994

**Deuteranomaly**

47.1652, 51.4726, 59.6739

**Tritanomaly**

42.0705, 52.0611, 68.1531

# Monochromacy



**Original Color**

40.3011, 52.4285, 58.4477

**Achromatopsia**

43.9204, 46.2077, 50.3202

**Achromatomaly**

41.8684, 47.9068, 52.9392

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.3011, 52.4285, 58.4477 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(126, 206, 193)` looks like.

```
.text, #text, p{  
    color:rgb(126, 206, 193)  
}
```

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(126, 206, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 206, 193) }
```

## Border

The CSS property to change the border of an element to XYZ 40.3011, 52.4285, 58.4477 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(126, 206, 193) }
```



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

```
.border{ border-color:rgb(126, 206, 193) }
```

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

Here you see how a box with a 4 pixel rgb(126, 206, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 206, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 206, 193);  
box-shadow:4px 4px 4px 4px rgb(126, 206,  
193) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.3011, 52.4285, 58.4477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 206, 193) }
```

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

```
.background{ background-color: rgb(126,  
206, 193) }
```

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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