

# Converting Colors

XYZ(36.5474, 46.5005, 51.0039)

Have a look what the booklet for  
XYZ(36.5474, 46.5005, 51.0039)  
contains.

<b>XYZ(36.5344, 46.5090, 50.7676)</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(36.5344, 46.5090,  
50.7676)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80C2B5
RGB	128, 194, 181
RGB Percent	50%, 76%, 71%
CMY	0.4980, 0.2392, 0.2902
CMYK	0.34, 0.00, 0.07, 0.24
HSL	168°, 35%, 63%
HSV	168°, 34%, 76%
XYZ	36.5344, 46.5090, 50.7676
YIQ	172.7840, -35.1630, -18.0350

# Conversions

## Conversions Part 2

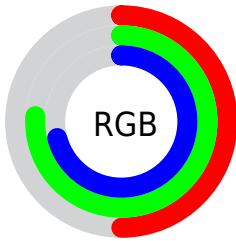
Format	Color
<a href="#">RYB</a>	<a href="#">128, 165, 194</a>
Decimal	<a href="#">8438453</a>
CIELab	<a href="#">73.87, -23.85, -0.13</a>
CIElCh	<a href="#">74, 23.846, 180.311</a>
Yxy	<a href="#">46.5090, 0.2730, 0.3476</a>
Android (android.graphics.Color)	<a href="#">4286628533 (0xFF80C2B5)</a>
YUV	<a href="#">172.7840, 4.0505, -39.2756</a>
Hunter-Lab	<a href="#">68.1975, -23.7206, 3.6016</a>

# Details

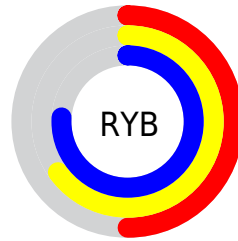
The XYZ color **36.5344, 46.5090, 50.7676** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.7767, 28.8321, 28.9335**, and the grayscale version is **39.6044, 41.6670, 45.3753**.

A 20% lighter version of the original color is **69.3117, 85.1761, 92.9083**, and **16.1760, 21.8105, 23.7794** is the 20% darker color. If you saturate the color by 10%, you get **33.5042, 44.9928, 48.6074**, and if you desaturate by 10%, it is **40.1359, 48.3209, 53.0127**.

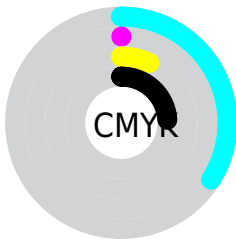
# Distribution



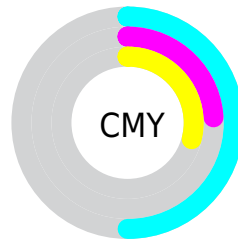
- Red (50%)
- Green (76%)
- Blue (71%)



- Red (50%)
- Yellow (65%)
- Blue (76%)



- Cyan (34%)
- Magenta (0%)
- Yellow (7%)
- Black (24%)



- Cyan (50%)
- Magenta (24%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.5344, 46.5090, 50.7676 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 36.5344, 46.5090, 50.7676 by changing the saturation by 10% instead.



■ 36.5344, 46.5090,  
50.7676

■ 36.5344, 46.5090,  
50.7676

322.6810,  
372.8512, 406.4809

■ 25.0192, 32.6477,  
35.6482

■ 69.1746, 84.9802,  
92.7191

■ 16.2202, 21.8567,  
23.8751

■ 91.0303, 110.3590,  
120.3884

■ 9.7719, 13.7516,  
15.0297

■ 117.0636,  
140.3456, 153.0780

■ 5.3091, 7.9481,  
8.6934

147.6398,  
175.3245, 191.2066

■ 2.4664, 4.0618,  
4.4476

183.1243,  
215.6802, 235.1926

■ 0.8783, 1.7082,  
1.8740

223.8824,

■ 0.0000, 0.4289,

261.7969, 285.4547

0.4761

270.2795,  
314.0591, 342.4113

■ 0.0000, 0.0000,  
0.0000

■ 36.5344, 46.5090,  
50.7676

■ 36.5344, 46.5090,  
50.7676

■ 33.5042, 44.9928,  
48.6074

■ 40.1359, 48.3209,  
53.0127

■ 31.0093, 43.7501,  
46.5271

■ 44.3343, 50.4380,  
55.3413

■ 29.0159, 42.7647,  
44.5254


■ 49.1581, 52.8764,  
57.7562

■ 27.4846, 42.0163,  
42.6002


■ 54.6332, 55.6491,  
60.2591


■ 26.3697, 41.4813,  
40.7489


■ 60.7837, 58.7688,  
62.8514


 25.6163, 41.1316,  
38.9684

 67.6325, 62.2472,  
65.5348

 25.2751, 40.9782,  
37.9344

 71.8876, 64.3872,  
68.1555

 72.3629, 64.5774,  
70.6585

 72.8496, 64.7720,  
73.2215

# Harmonies

## Analogous

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



37.4862, 46.5090, 39.9212



36.5344, 46.5090, 50.7676



37.5259, 46.5090, 63.3800

# Triad

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



36.5344, 46.5090, 50.7676



48.4548, 46.5090, 73.6235



48.3731, 46.5090, 32.9245

# Complementary

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



36.5344, 46.5090, 50.7676



34.7767, 28.8321, 28.9335

# 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.



51.6339, 46.5090, 39.7337



36.5344, 46.5090, 50.7676



51.6831, 46.5090, 63.1247

# Square

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



36.5344, 46.5090, 50.7676



44.2498, 46.5090, 77.8014



52.8814, 46.5090, 50.5134



44.1610, 46.5090, 30.6748



# Rectangle

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



36.5344, 46.5090, 50.7676



39.1945, 46.5090, 70.8459



52.8814, 46.5090, 50.5134



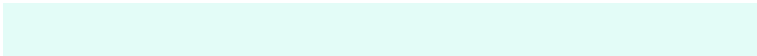
49.6262, 46.5090, 34.6960

# Sweetspot

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



36.5357, 46.5109, 50.7687



83.5573, 93.0129, 101.9312



34.2081, 45.8243, 27.4650



18.0306, 20.2337, 22.1855



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.



36.5357, 46.5109, 50.7687



61.9103, 82.1178, 88.9755



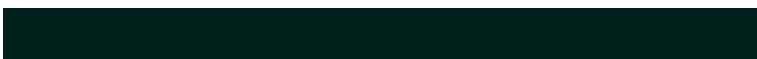
33.8159, 38.8354, 56.7548



10.2807, 11.3933, 12.4816



16.6463, 26.9526, 25.0945



0.7415, 1.1734, 1.2014



# Inverse Universe

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



34.7767, 28.8321, 28.9335



58.2399, 45.1344, 43.3440



36.7046, 34.1465, 25.0794



10.1525, 10.1096, 10.8937



14.8835, 7.6431, 2.0324



0.6678, 0.3401, 0.2180



# Previews

## White Background



This preview shows how the XYZ color 36.5344, 46.5090, 50.7676 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 36.5344, 46.5090, 50.7676 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

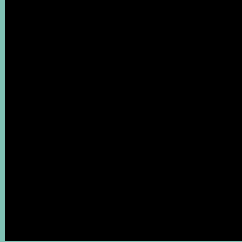
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 36.5344, 46.5090, 50.7676**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.5344, 46.5090, 50.7676.



This preview shows how white text looks on a background with the XYZ color 36.5344, 46.5090,



# 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

36.5344, 46.5090, 50.7676

### Protanopia

44.1138, 46.0987, 46.1081

### Deuteranopia

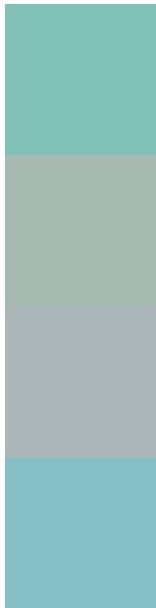
46.8519, 45.8985, 52.2889



## Tritanopia

39.3856, 46.3515, 65.2634

# Trichromacy



**Original Color**

36.5344, 46.5090, 50.7676

**Protanomaly**

40.7025, 45.8318, 47.7755

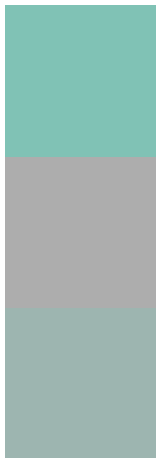
**Deuteranomaly**

42.1743, 45.5745, 51.9213

**Tritanomaly**

38.2246, 46.1984, 59.7258

# Monochromacy



**Original Color**

36.5344, 46.5090, 50.7676

**Achromatopsia**

39.7200, 41.7885, 45.5077

**Achromatomaly**

38.2650, 43.3504, 47.4250

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.5344, 46.5090, 50.7676 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(128, 194, 181)` looks like.

```
.text, #text, p{  
    color:rgb(128, 194, 181)  
}
```

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(128, 194, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 194, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 36.5344, 46.5090, 50.7676 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(128, 194, 181) }
```



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

```
.border{ border-color:rgb(128, 194, 181) }
```

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

Here you see how a box with a 4 pixel rgb(128, 194, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 194, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 194, 181);  
box-shadow:4px 4px 4px 4px rgb(128, 194,  
181) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.5344, 46.5090, 50.7676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 194, 181) }
```

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

```
.background{ background-color: rgb(128,  
194, 181) }
```

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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