

Converting Colors

XYZ(36.4040, 50.0175, 44.7659)

Have a look what the booklet for
XYZ(36.4040, 50.0175, 44.7659)
contains.

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Color

**XYZ(36.4065, 50.0060,
44.7791)**

Conversions

Conversions Part 1

Format	Color
Hex	78CCA8
RGB	120, 204, 168
RGB Percent	47%, 80%, 66%
CMY	0.5294, 0.2000, 0.3412
CMYK	0.41, 0.00, 0.18, 0.20
HSL	154°, 45%, 64%
HSV	154°, 41%, 80%
XYZ	36.4065, 50.0060, 44.7791
YIQ	174.7800, -38.5080, -29.0040

Conversions

Conversions Part 2

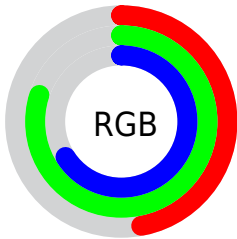
Format	Color
RYB	120, 173, 204
Decimal	7916712
CIELab	76.07, -33.75, 10.02
CIELCh	76, 35.201, 163.470
Yxy	50.0060, 0.2775, 0.3812
Android (android.graphics.Color)	4286106792 (0xFF78CCA8)
YUV	174.7800, -3.3425, -48.0421
Hunter-Lab	70.7149, -31.8531, 11.9560

Details

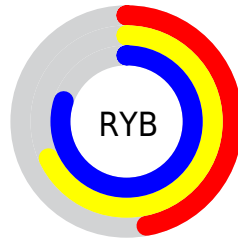
The XYZ color **36.4065, 50.0060, 44.7791** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **37.6208, 28.6718, 35.0058**, and the grayscale version is **40.6659, 42.7837, 46.5915**.

A 20% lighter version of the original color is **66.9838, 86.0778, 82.8963**, and **16.0798, 23.8797, 20.2847** is the 20% darker color. If you saturate the color by 10%, you get **33.0858, 48.3864, 40.5143**, and if you desaturate by 10%, it is **40.3874, 51.9622, 49.3630**.

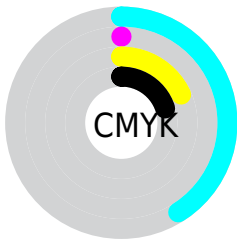
Distribution



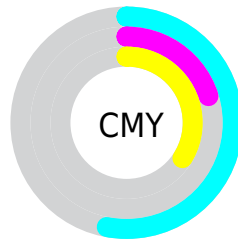
- Red (47%)
- Green (80%)
- Blue (66%)



- Red (47%)
- Yellow (68%)
- Blue (80%)



- Cyan (41%)
- Magenta (0%)
- Yellow (18%)
- Black (20%)





- Cyan (53%)
- Magenta (20%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4065, 50.0060, 44.7791 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 36.4065, 50.0060, 44.7791 by changing the saturation by 10% instead.


 36.4065, 50.0060,
44.7791


 36.4065, 50.0060,
44.7791


322.1341,
386.6894, 382.0122


 24.9199, 35.4182,
30.9418


 68.9788, 90.1838,
83.7038

 16.1458, 23.9852,
20.2964

 90.7952, 116.5425,
109.6282

 9.7189, 15.3226,
12.4245

 116.7855,
147.5936, 140.4187

 5.2738, 9.0461,
6.9074

147.3152,
183.7216, 176.4939

 2.4452, 4.7713,
3.3267

182.7495,
225.3107, 218.2724

 0.8677, 2.1137,
1.2638

223.4539,

 0.0000, 0.6723,

272.7455, 266.1725

0.0318

269.7937,
326.4103, 320.6129

■ 0.0000, 0.0000,
0.0000

■ 36.4065, 50.0060,
44.7791

■ 36.4065, 50.0060,
44.7791

■ 33.0858, 48.3864,
40.5143

■ 40.3874, 51.9622,
49.3630

■ 30.3816, 47.0771,
36.5576

■ 45.0607, 54.2677,
54.2695

■ 28.2510, 46.0575,
32.9023


■ 50.4613, 56.9414,
59.5068


■ 26.6436, 45.3015,
29.5403


■ 56.6204, 59.9996,
65.0813


■ 25.4994, 44.7786,
26.4625


■ 63.5675, 63.4571,
70.9995

 24.7795, 44.4619,
23.9734

 71.3303, 67.3283,
77.2676

 77.0054, 70.1162,
83.7543

 78.2589, 70.6176,
90.3553

 79.5748, 71.1440,
97.2849

Harmonies

Analogous

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



39.3484, 50.0060, 32.1648



36.4065, 50.0060, 44.7791



36.2603, 50.0060, 63.3283

Triad

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



36.4065, 50.0060, 44.7791



50.5364, 50.0060, 97.8140



57.3112, 50.0060, 33.1375

Complementary

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



36.4065, 50.0060, 44.7791



37.6208, 28.6718, 35.0058

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.



60.9199, 50.0060, 46.4393



36.4065, 50.0060, 44.7791



56.7718, 50.0060, 85.1917

Square

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



36.4065, 50.0060, 44.7791



44.0209, 50.0060, 97.0761



60.7138, 50.0060, 65.4173



51.2191, 50.0060, 26.5830

Rectangle

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



36.4065, 50.0060, 44.7791



37.7406, 50.0060, 76.9660



60.7138, 50.0060, 65.4173



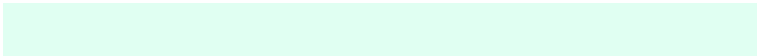
58.8790, 50.0060, 36.8158

Sweetspot

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



36.4079, 50.0080, 44.7802



82.6344, 93.8352, 97.6707



38.7725, 51.6519, 25.6963



17.4221, 19.9532, 20.6546



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.



36.4079, 50.0080, 44.7802



55.5690, 80.5079, 68.1457



38.9321, 48.9261, 64.5209



11.3321, 12.6426, 13.3065



15.6433, 28.0026, 15.3384



0.8446, 1.4596, 0.9890

Inverse Universe

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



37.6208, 28.6718, 35.0058



57.8394, 40.6826, 49.9331



35.7033, 29.0142, 21.4885



11.4086, 11.2922, 12.6861



16.8121, 8.5354, 6.7291



0.9051, 0.4554, 0.5460

Previews

White Background



This preview shows how the XYZ color 36.4065, 50.0060, 44.7791 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 36.4065, 50.0060, 44.7791 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 36.4065, 50.0060, 44.7791

Background



This preview shows how black text looks on a background with the XYZ color 36.4065, 50.0060, 44.7791.

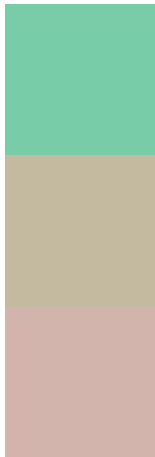


This preview shows how white text looks on a background with the XYZ color 36.4065, 50.0060,

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

36.4065, 50.0060, 44.7791

Protanopia

46.5819, 49.3568, 39.8726

Deuteranopia

50.4424, 49.3613, 46.4042



Tritanopia

41.6918, 50.0685, 71.0851

Trichromacy



Original Color

36.4065, 50.0060, 44.7791



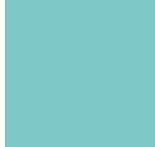
Protanomaly

41.7400, 49.0734, 41.4546



Deuteranomaly

43.6797, 48.6826, 45.6226



Tritanomaly

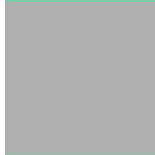
39.4847, 49.8518, 60.3646

Monochromacy



Original Color

36.4065, 50.0060, 44.7791



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

38.5229, 45.0649, 45.6978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4065, 50.0060, 44.7791 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(120, 204, 168)` looks like.

```
.text, #text, p{  
    color:rgb(120, 204, 168)  
}
```

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(120, 204, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 204, 168) }
```

Border

The CSS property to change the border of an element to XYZ 36.4065, 50.0060, 44.7791 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(120, 204, 168) }
```


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

```
.border{ border-color:rgb(120, 204, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 204, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 204, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 204, 168);  
box-shadow:4px 4px 4px 4px rgb(120, 204,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4065, 50.0060, 44.7791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 204, 168) }
```

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

```
.background{ background-color: rgb(120,  
204, 168) }
```

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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