

Converting Colors

XYZ(36.5172, 48.3712, 50.4205)

Have a look what the booklet for
XYZ(36.5172, 48.3712, 50.4205)
contains.

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Color

**XYZ(36.6382, 48.5969,
50.6291)**

Conversions

Conversions Part 1

Format	Color
Hex	78C8B4
RGB	120, 200, 180
RGB Percent	47%, 78%, 71%
CMY	0.5294, 0.2157, 0.2941
CMYK	0.40, 0.00, 0.10, 0.22
HSL	165°, 42%, 63%
HSV	165°, 40%, 78%
XYZ	36.6382, 48.5969, 50.6291
YIQ	173.8000, -41.2600, -23.1800

Conversions

Conversions Part 2

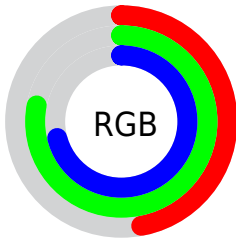
Format	Color
RYB	120, 166, 200
Decimal	7915700
CIELab	75.20, -29.21, 2.30
CIElCh	75, 29.304, 175.505
Yxy	48.5969, 0.2697, 0.3577
Android (android.graphics.Color)	4286105780 (0xFF78C8B4)
YUV	173.8000, 3.0566, -47.1826
Hunter-Lab	69.7115, -28.1810, 5.7377

Details

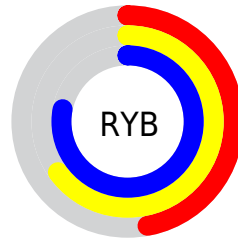
The XYZ color **36.6382, 48.5969, 50.6291** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.2711, 27.6070, 28.2825**, and the grayscale version is **40.1305, 42.2205, 45.9781**.

A 20% lighter version of the original color is **68.5795, 86.6901, 92.4752**, and **16.2896, 23.2139, 23.7008** is the 20% darker color. If you saturate the color by 10%, you get **33.6488, 47.1149, 47.8785**, and if you desaturate by 10%, it is **40.2280, 50.3888, 53.5058**.

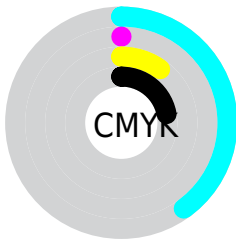
Distribution



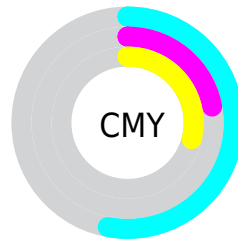
- Red (47%)
- Green (78%)
- Blue (71%)



- Red (47%)
- Yellow (65%)
- Blue (78%)



- Cyan (40%)
- Magenta (0%)
- Yellow (10%)
- Black (22%)





- Cyan (53%)
- Magenta (22%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6382, 48.5969, 50.6291 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 36.6382, 48.5969, 50.6291 by changing the saturation by 10% instead.


 36.6382, 48.5969,
50.6291


 36.6382, 48.5969,
50.6291


323.1243,
381.1532, 405.9264


 25.0999, 34.2998,
35.5388


 69.3334, 88.0925,
92.5122

 16.2806, 23.1240,
23.7914


 91.2211, 114.0597,
120.1421

 9.8150, 14.6851,
14.9682


 117.2892,
144.6859, 152.7889

 5.3378, 8.5987,
8.6507

147.9031,
180.3553, 190.8712

 2.4836, 4.4804,
4.4204

183.4282,
221.4523, 234.8076

 0.8870, 1.9457,
1.8587

224.2299,

 0.0000, 0.5757,

268.3614, 285.0166

0.4662

270.6734,
321.4669, 341.9166

■ 0.0000, 0.0000,
0.0000

■ 36.6382, 48.5969,
50.6291

■ 36.6382, 48.5969,
50.6291

■ 33.6488, 47.1149,
47.8785

■ 40.2280, 50.3888,
53.5058

■ 31.2193, 45.9181,
45.2480

■ 44.4475, 52.5020,
56.5080

■ 29.3102, 44.9876,
42.7359

■ 49.3290, 54.9543,
59.6390


■ 27.8753, 44.2994,
40.3388

■ 54.9014, 57.7605,
62.9012


■ 26.8599, 43.8255,
38.0533


■ 61.1916, 60.9346,
66.2967


 26.1600, 43.5122,
35.8733

 68.2254, 64.4897,
69.8279

 26.1600, 43.5122,
35.8732

 74.1616, 67.4768,
73.4092

 74.8142, 67.7379,
76.8459

 75.4866, 68.0069,
80.3869

Harmonies

Analogous

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



38.1886, 48.5969, 37.8657



36.6382, 48.5969, 50.6291



37.4800, 48.5969, 66.7020

Triad

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



36.6382, 48.5969, 50.6291



50.7822, 48.5969, 84.3575



52.2904, 48.5969, 32.0847

Complementary

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



36.6382, 48.5969, 50.6291



35.2711, 27.6070, 28.2825

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.



56.1544, 48.5969, 41.1700



36.6382, 48.5969, 50.6291



55.2373, 48.5969, 71.4985

Square

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



36.6382, 48.5969, 50.6291



45.3851, 48.5969, 88.2255



57.2722, 48.5969, 55.2661



47.0041, 48.5969, 28.5611

Rectangle

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



36.6382, 48.5969, 50.6291



39.3220, 48.5969, 76.9460



57.2722, 48.5969, 55.2661



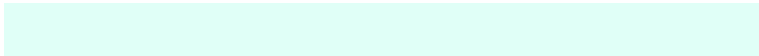
53.8143, 48.5969, 34.4921

Sweetspot

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



36.6396, 48.5989, 50.6302



83.4671, 94.1683, 102.0557



35.0872, 48.3586, 25.2550



17.6185, 20.0318, 21.6890



0.0000, 0.0000, 0.0000



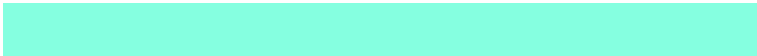
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.6396, 48.5989, 50.6302



58.8783, 81.8774, 83.5044



34.7643, 41.3484, 60.7946



10.8290, 12.0205, 13.0498



16.6702, 27.6804, 23.0056



0.8171, 1.3218, 1.2353

Inverse Universe

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



35.2711, 27.6070, 28.2825



56.2019, 40.5774, 39.6158



36.3955, 32.0056, 22.0296



10.7408, 10.6797, 11.6186



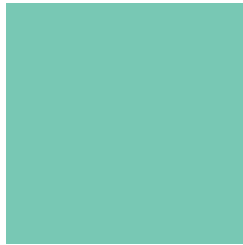
15.5421, 7.9664, 2.7984



0.7660, 0.3893, 0.2911

Previews

White Background



This preview shows how the XYZ color 36.6382, 48.5969, 50.6291 looks on a white background.

Color Contrast Check

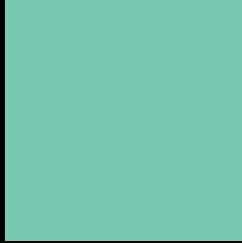
Large Text (above 18pt) WCAG AA × Fail

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 36.6382, 48.5969, 50.6291 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

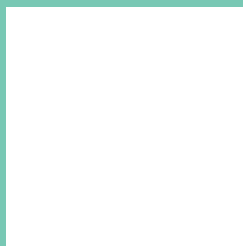
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.6382, 48.5969, 50.6291

Background



This preview shows how black text looks on a background with the XYZ color 36.6382, 48.5969, 50.6291.



This preview shows how white text looks on a background with the XYZ color 36.6382, 48.5969,

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

36.6382, 48.5969, 50.6291

Protanopia

45.9770, 48.2976, 45.4272

Deuteranopia

49.0345, 47.9001, 52.5602



Tritanopia

40.1751, 48.3226, 68.8378

Trichromacy



Original Color

36.6382, 48.5969, 50.6291

Protanomaly

41.5705, 47.8822, 47.0956

Deuteranomaly

43.1194, 47.3074, 51.6583

Tritanomaly

38.8490, 48.4626, 61.9502

Monochromacy



Original Color

36.6382, 48.5969, 50.6291

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

38.0964, 43.8716, 47.5345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6382, 48.5969, 50.6291 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, 200, 180)` looks like.

```
.text, #text, p{  
    color:rgb(120, 200, 180)  
}
```

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, 200, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 200, 180) }
```

Border

The CSS property to change the border of an element to XYZ 36.6382, 48.5969, 50.6291 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, 200, 180) }
```


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

```
.border{ border-color:rgb(120, 200, 180) }
```

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

Here you see how a box with a 4 pixel rgb(120, 200, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 200, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 200, 180);  
box-shadow:4px 4px 4px 4px rgb(120, 200,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6382, 48.5969, 50.6291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 200, 180) }
```

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

```
.background{ background-color: rgb(120,  
200, 180) }
```

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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