

Converting Colors

XYZ(36.9664, 46.5505, 48.0301)

Have a look what the booklet for
XYZ(36.9664, 46.5505, 48.0301)
contains.

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Color

**XYZ(36.8981, 46.4254,
48.0906)**

Conversions

Conversions Part 1

Format	Color
Hex	87C1B0
RGB	135, 193, 176
RGB Percent	53%, 76%, 69%
CMY	0.4706, 0.2431, 0.3098
CMYK	0.30, 0.00, 0.09, 0.24
HSL	162°, 32%, 64%
HSV	162°, 30%, 76%
XYZ	36.8981, 46.4254, 48.0906
YIQ	173.7200, -29.1110, -17.5830

Conversions

Conversions Part 2

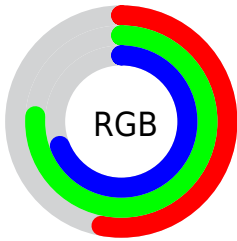
Format	Color
RYB	135, 169, 193
Decimal	8896944
CIELab	73.82, -22.41, 2.55
CIElCh	74, 22.556, 173.502
Yxy	46.4254, 0.2808, 0.3533
Android (android.graphics.Color)	4287087024 (0xFF87C1B0)
YUV	173.7200, 1.1240, -33.9574
Hunter-Lab	68.1362, -22.5744, 5.8484

Details

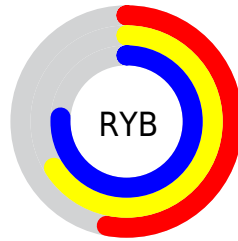
The XYZ color **36.8981, 46.4254, 48.0906** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.3254, 30.9336, 33.7638**, and the grayscale version is **40.0946, 42.1826, 45.9369**.

A 20% lighter version of the original color is **69.9863, 85.1446, 89.0898**, and **16.4380, 21.7595, 22.4024** is the 20% darker color. If you saturate the color by 10%, you get **33.5219, 44.7495, 45.0718**, and if you desaturate by 10%, it is **40.8631, 48.4046, 51.2608**.

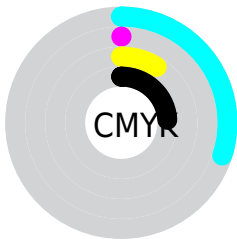
Distribution



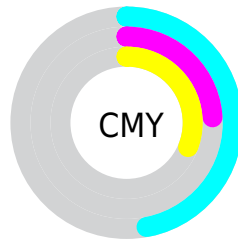
- Red (53%)
- Green (76%)
- Blue (69%)



- Red (53%)
- Yellow (66%)
- Blue (76%)



- Cyan (30%)
- Magenta (0%)
- Yellow (9%)
- Black (24%)



- Cyan (47%)
- Magenta (24%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8981, 46.4254, 48.0906 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 36.8981, 46.4254, 48.0906 by changing the saturation by 10% instead.

■ 36.8981, 46.4254,
48.0906

■ 36.8981, 46.4254,
48.0906

324.2323,
372.5163, 395.6702

■ 25.3019, 32.5816,
33.5381

■ 69.7309, 84.8553,
88.7062

■ 16.4321, 21.8062,
22.2645

■ 91.6982, 110.2102,
115.6065

■ 9.9232, 13.7145,
13.8512

■ 117.8533,
140.1710, 147.4598

■ 5.4099, 7.9224,
7.8797

148.5614,
175.1220, 184.6846

■ 2.5269, 4.0453,
3.9314

184.1881,
215.4476, 227.6995

■ 0.9089, 1.6989,
1.5878

225.0985,

■ 0.0000, 0.4230,

261.5323, 276.9230

0.2821

271.6582,
313.7604, 332.7738

■ 0.0000, 0.0000,
0.0000

■ 36.8981, 46.4254,
48.0906

■ 36.8981, 46.4254,
48.0906

■ 33.5219, 44.7495,
45.0718

■ 40.8631, 48.4046,
51.2608

■ 30.7000, 43.3554,
42.1982

■ 45.4416, 50.6961,
54.5820

■ 28.4000, 42.2278,
39.4679

■ 50.6612, 53.3154,
58.0578

■ 26.5846, 41.3474,
36.8777

■ 56.5470, 56.2753,
61.6908

■ 25.2113, 40.6923,
34.4239

■ 63.1225, 59.5880,
65.4836

■ 24.2300, 40.2367,
32.1027

■ 70.4102, 63.2650,
69.4385

■ 23.5452, 39.9314,
29.9189

■ 72.6544, 64.3390,
73.2874

■ 73.3969, 64.6360,
77.1974

■ 74.1648, 64.9432,
81.2413

Harmonies

Analogous

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



38.2120, 46.4254, 38.5169



36.8981, 46.4254, 48.0906



37.4244, 46.4254, 59.8790

Triad

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



36.8981, 46.4254, 48.0906



47.2735, 46.4254, 73.6309



48.8741, 46.4254, 34.7914

Complementary

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



36.8981, 46.4254, 48.0906



36.3254, 30.9336, 33.7638

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.



51.5832, 46.4254, 42.2430



36.8981, 46.4254, 48.0906



50.6207, 46.4254, 64.8582

Square

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



36.8981, 46.4254, 48.0906



43.2589, 46.4254, 75.8244



52.2410, 46.4254, 53.0905



45.0046, 46.4254, 31.6262

Rectangle

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



36.8981, 46.4254, 48.0906



38.7648, 46.4254, 67.3295



52.2410, 46.4254, 53.0905



49.9599, 46.4254, 36.8182

Sweetspot

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



36.8994, 46.4273, 48.0917



82.1864, 91.1962, 98.3084



36.4685, 46.6052, 29.9960



17.3551, 19.4260, 20.8987



92.9021, 97.7402, 106.4391



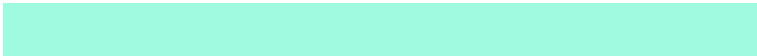
19.4759, 20.4902, 22.3138

Same Dimension

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



36.8994, 46.4273, 48.0917



62.0296, 81.1323, 82.5771



36.2241, 42.2135, 56.6931



10.2386, 11.3765, 12.2599



15.6960, 26.5724, 20.0898



0.7071, 1.1597, 1.0201

Inverse Universe

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



36.3254, 30.9336, 33.7638



60.8439, 48.9832, 52.8738



36.7386, 33.8312, 27.5162



10.1919, 10.1254, 11.1013



15.1424, 7.7467, 3.3962



0.6852, 0.3471, 0.3099

Previews

White Background



This preview shows how the XYZ color 36.8981, 46.4254, 48.0906 looks on a white background.

Color Contrast Check

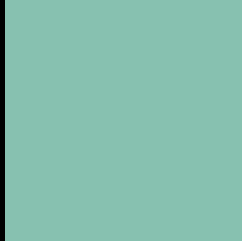
Large Text (above 18pt) WCAG AA × Fail

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 36.8981, 46.4254, 48.0906 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 36.8981, 46.4254, 48.0906

Background



This preview shows how black text looks on a background with the XYZ color 36.8981, 46.4254, 48.0906.

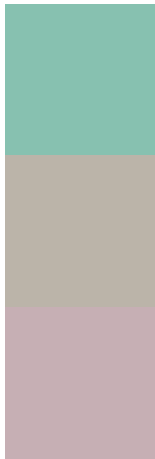


This preview shows how white text looks on a background with the XYZ color 36.8981, 46.4254,

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

36.8981, 46.4254, 48.0906

Protanopia

43.9762, 46.0719, 44.1111

Deuteranopia

46.8569, 45.9610, 49.5818



Tritanopia

40.0812, 46.4175, 63.9737

Trichromacy



Original Color

36.8981, 46.4254, 48.0906

Protanomaly

40.9438, 46.0013, 45.7509

Deuteranomaly

42.5438, 45.8245, 49.2505

Tritanomaly

38.7985, 46.2109, 57.9136

Monochromacy



Original Color

36.8981, 46.4254, 48.0906

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

38.7589, 43.6165, 46.9334

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8981, 46.4254, 48.0906 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(135, 193, 176)` looks like.

```
.text, #text, p{  
    color:rgb(135, 193, 176)  
}
```

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(135, 193, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 193, 176) }
```

Border

The CSS property to change the border of an element to XYZ 36.8981, 46.4254, 48.0906 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(135, 193, 176) }
```


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

```
.border{ border-color:rgb(135, 193, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 193, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 193, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 193, 176);  
box-shadow:4px 4px 4px 4px rgb(135, 193,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8981, 46.4254, 48.0906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 193, 176) }
```

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

```
.background{ background-color: rgb(135,  
193, 176) }
```

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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