

Converting Colors

XYZ(40.1670, 48.7969, 67.6882)

Have a look what the booklet for
XYZ(40.1670, 48.7969, 67.6882)
contains.

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Color

**XYZ(40.1506, 48.6725,
67.6002)**

Conversions

Conversions Part 1

Format	Color
Hex	80C4D1
RGB	128, 196, 209
RGB Percent	50%, 77%, 82%
CMY	0.4980, 0.2314, 0.1804
CMYK	0.39, 0.06, 0.00, 0.18
HSL	190°, 47%, 66%
HSV	190°, 39%, 82%
XYZ	40.1506, 48.6725, 67.6002
YIQ	177.1500, -44.7010, -10.3730

Conversions

Conversions Part 2

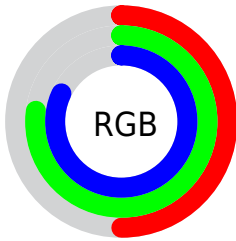
Format	Color
RYB	128, 165, 209
Decimal	8438993
CIELab	75.25, -18.14, -13.30
CIElCh	75, 22.493, 216.236
Yxy	48.6725, 0.2567, 0.3112
Android (android.graphics.Color)	4286629073 (0xFF80C4D1)
YUV	177.1500, 15.7021, -43.1045
Hunter-Lab	69.7657, -19.3620, -8.6137

Details

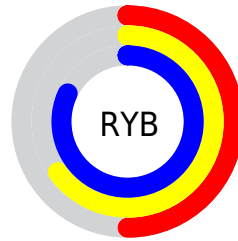
The XYZ color **40.1506, 48.6725, 67.6002** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.7164, 34.1641, 24.9242**, and the grayscale version is **41.8068, 43.9840, 47.8986**.

A 20% lighter version of the original color is **72.9424, 87.6609, 107.6835**, and **18.3370, 23.1290, 34.5082** is the 20% darker color. If you saturate the color by 10%, you get **36.5772, 45.7209, 67.2197**, and if you desaturate by 10%, it is **44.3913, 51.9955, 68.0189**.

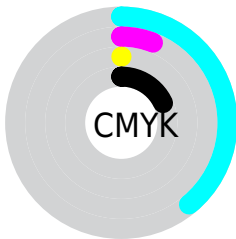
Distribution



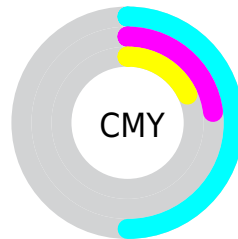
- Red (50%)
- Green (77%)
- Blue (82%)



- Red (50%)
- Yellow (65%)
- Blue (82%)



- Cyan (39%)
- Magenta (6%)
- Yellow (0%)
- Black (18%)



- Cyan (50%)
- Magenta (23%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1506, 48.6725, 67.6002 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 40.1506, 48.6725, 67.6002 by changing the saturation by 10% instead.

40.1506, 48.6725,
67.6002

40.1506, 48.6725,
67.6002

337.8815,
381.4516, 470.6377

27.8407, 34.3598,
49.1079

74.6757, 88.2048,
117.4288

18.3455, 23.1701,
34.3389

97.6216, 114.1932,
149.6022

11.2995, 14.7192,
22.8746

124.8435,
144.8423, 187.1730

6.3374, 8.6225,
14.2965

156.7069,
180.5365, 230.5599

3.0939, 4.4958,
8.1861

193.5770,
221.6601, 280.1812

1.2036, 1.9546,
4.1248

235.8192,

0.1092, 0.5809,

268.5975, 336.4556

1.6940

283.7989,
321.7332, 399.8016

■ 0.0000, 0.0000,
0.3566

■ 0.0000, 0.0000,
0.0000

■ 40.1506, 48.6725,
67.6002

■ 40.1506, 48.6725,
67.6002

■ 36.5772, 45.7209,
67.2197

■ 44.3913, 51.9955,
68.0189

■ 33.6265, 43.1142,
66.8720

■ 49.3317, 55.7033,
68.4742

■ 31.2555, 40.8311,
66.5563

■ 55.0072, 59.8154,
68.9688

■ 29.4135, 38.8453,
66.2701

■ 61.4494, 64.3485,
69.5042

■ 28.0409, 37.1258,
66.0106

■ 68.6884, 69.3180,
70.0819

■ 27.0433, 35.6241,
65.7733

■ 76.7524, 74.7387,
70.7032

■ 26.9290, 35.4439,
65.7445

■ 78.2059, 76.7776,
71.0201

■ 79.0922, 78.5504,
71.3156

■ 79.9964, 80.3587,
71.6170

Harmonies

Analogous

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



38.8118, 48.6725, 55.5037



40.1506, 48.6725, 67.6002



43.1365, 48.6725, 76.6407

Triad

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



40.1506, 48.6725, 67.6002



53.9126, 48.6725, 62.6939



45.4050, 48.6725, 33.4590

Complementary

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



40.1506, 48.6725, 67.6002



39.7164, 34.1641, 24.9242

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.



49.5344, 48.6725, 34.7958



40.1506, 48.6725, 67.6002



54.6089, 48.6725, 50.5651

Square

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



40.1506, 48.6725, 67.6002



51.1138, 48.6725, 73.5263



52.9635, 48.6725, 40.6631



41.7269, 48.6725, 36.6945

Rectangle

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



40.1506, 48.6725, 67.6002



45.7427, 48.6725, 79.0679



52.9635, 48.6725, 40.6631



46.7848, 48.6725, 33.3961

Sweetspot

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



40.1521, 48.6744, 67.6013



83.1281, 91.5582, 107.8989



36.4483, 52.0890, 33.0033



17.5380, 19.4131, 23.0727



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.



40.1521, 48.6744, 67.6013



57.9944, 72.2405, 105.4949



32.3591, 33.0884, 65.0037



11.9901, 13.0705, 15.1346



16.6640, 21.9746, 40.5557



0.9760, 1.3173, 2.2824

Inverse Universe

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



43.9787, 32.9804, 56.2746



65.0315, 44.6725, 84.3751



46.6446, 48.0205, 27.2336



12.2259, 11.9751, 14.4654



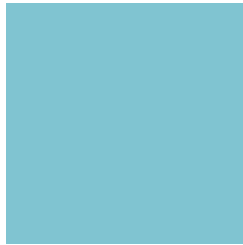
21.0419, 10.2896, 26.1907



1.1989, 0.5843, 1.5822

Previews

White Background



This preview shows how the XYZ color 40.1506, 48.6725, 67.6002 looks on a white background.

Color Contrast Check

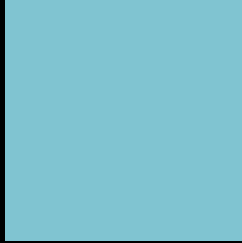
Large Text (above 18pt) WCAG AA × Fail

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 40.1506, 48.6725, 67.6002 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

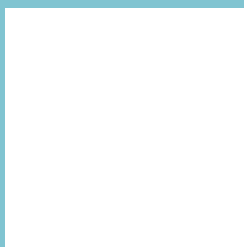
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.1506, 48.6725, 67.6002

Background



This preview shows how black text looks on a background with the XYZ color 40.1506, 48.6725, 67.6002.



This preview shows how white text looks on a background with the XYZ color 40.1506, 48.6725,

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

40.1506, 48.6725, 67.6002

Protanopia

47.0045, 48.1513, 62.0751

Deuteranopia

49.1912, 48.2148, 69.0011



Tritanopia

40.5511, 48.8501, 68.9198

Trichromacy



Original Color

40.1506, 48.6725, 67.6002

Protanomaly

43.9866, 48.1126, 64.0951

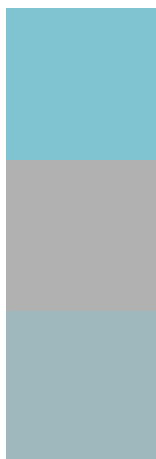
Deuteranomaly

45.2531, 48.0364, 68.5149

Tritanomaly

40.4260, 48.8001, 68.2615

Monochromacy



Original Color

40.1506, 48.6725, 67.6002

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

40.6239, 45.3260, 54.7518

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1506, 48.6725, 67.6002 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, 196, 209)` looks like.

```
.text, #text, p{  
    color:rgb(128, 196, 209)  
}
```

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, 196, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 196, 209) }
```

Border

The CSS property to change the border of an element to XYZ 40.1506, 48.6725, 67.6002 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, 196, 209) }
```


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

```
.border{ border-color:rgb(128, 196, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 196, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 196, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 196, 209);  
box-shadow:4px 4px 4px 4px rgb(128, 196,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1506, 48.6725, 67.6002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 196, 209) }
```

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

```
.background{ background-color: rgb(128,  
196, 209) }
```

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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