

Converting Colors

XYZ(40.2722, 46.8806, 18.7307)

Have a look what the booklet for
XYZ(40.2722, 46.8806, 18.7307)
contains.

XYZ(40.2722, 46.8806, 18.7307)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.2722, 46.8806,
18.7307)**

Conversions

Conversions Part 1

Format	Color
Hex	BABB63
RGB	186, 187, 99
RGB Percent	73%, 73%, 39%
CMY	0.2706, 0.2666, 0.6118
CMYK	0.01, 0.00, 0.47, 0.27
HSL	61°, 39%, 56%
HSV	61°, 47%, 73%
XYZ	40.2722, 46.8806, 18.7307
YIQ	176.6690, 27.6520, -27.5800

Conversions

Conversions Part 2

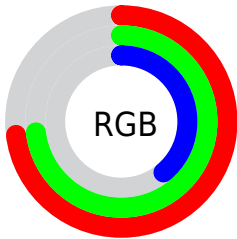
Format	Color
RYB	99, 187, 100
Decimal	12237667
CIELab	74.11, -12.88, 44.14
CIELCh	74, 45.976, 106.265
Yxy	46.8806, 0.3803, 0.4428
Android (android.graphics.Color)	4290427747 (0xFFBABB63)
YUV	176.6690, -38.2908, 8.1833
Hunter-Lab	68.4694, -14.8317, 31.7090

Details

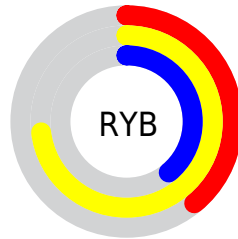
The XYZ color **40.2722, 46.8806, 18.7307** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **18.6886, 15.2220, 48.9696**, and the grayscale version is **41.8016, 43.9785, 47.8926**.

A 20% lighter version of the original color is **75.0263, 85.6013, 42.2742**, and **18.4395, 22.0972, 6.1991** is the 20% darker color. If you saturate the color by 10%, you get **39.4284, 46.5388, 14.5529**, and if you desaturate by 10%, it is **41.3254, 47.3096, 24.0008**.

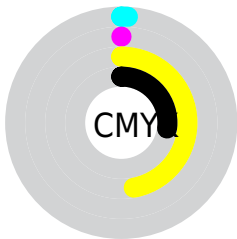
Distribution



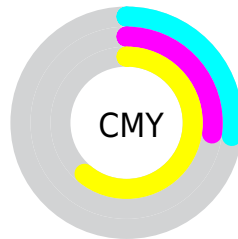
- Red (73%)
- Green (73%)
- Blue (39%)



- Red (39%)
- Yellow (73%)
- Blue (39%)



- Cyan (1%)
- Magenta (0%)
- Yellow (47%)
- Black (27%)



- Cyan (27%)
- Magenta (27%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2722, 46.8806, 18.7307 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 40.2722, 46.8806, 18.7307 by changing the saturation by 10% instead.

40.2722, 46.8806,
18.7307

40.2722, 46.8806,
18.7307

338.3843,
374.3377, 257.3310

27.9360, 32.9413,
11.3010

74.8595, 85.5354,
42.1092

18.4176, 22.0815,
6.1530

97.8414, 111.0196,
58.8950

11.3517, 13.9168,
2.8680

125.1025,
141.1209, 79.6367

6.3730, 8.0628,
1.0276

157.0082,
176.2237, 104.7527

3.1160, 4.1352,
0.0000

193.9239,
216.7124, 134.6616

1.2154, 1.7495,
0.0000

236.2149,

0.1185, 0.4554,

262.9714, 169.7819

0.0000

284.2466,
315.3850, 210.5322

■ 0.0000, 0.0000,
0.0000

■ 40.2722, 46.8806,
18.7307

■ 40.2722, 46.8806,
18.7307

■ 39.4284, 46.5388,
14.5529

■ 41.3254, 47.3096,
24.0008

■ 38.7761, 46.2719,
11.3880

■ 42.5977, 47.8245,
30.4291

■ 38.3000, 46.0755,
9.1508


■ 44.1022, 48.4323,
38.0801


■ 37.9811, 45.9420,
7.7410


■ 45.8502, 49.1375,
47.0125


■ 37.7928, 45.8607,
7.0180


■ 47.8520, 49.9443,
57.2812

 37.7475, 45.8408,
6.8587

 50.1174, 50.8565,
68.9380

 52.6559, 51.8779,
82.0319

 55.4762, 53.0121,
96.6096

 56.5412, 53.4442,
101.9435

Harmonies

Analogous

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



48.4220, 46.8806, 18.4665



40.2722, 46.8806, 18.7307



34.0757, 46.8806, 25.6891

Triad

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



40.2722, 46.8806, 18.7307



34.4906, 46.8806, 91.2875



61.7641, 46.8806, 62.5780

Complementary

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



40.2722, 46.8806, 18.7307



18.6886, 15.2220, 48.9696

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.



56.9971, 46.8806, 89.2188



40.2722, 46.8806, 18.7307



40.9063, 46.8806, 108.9312

Square

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



40.2722, 46.8806, 18.7307



31.0296, 46.8806, 64.8181



49.1389, 46.8806, 108.0750



61.5396, 46.8806, 39.3758

Rectangle

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



40.2722, 46.8806, 18.7307



31.5868, 46.8806, 34.8914



49.1389, 46.8806, 108.0750



60.6694, 46.8806, 71.5436

Sweetspot

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



40.2733, 46.8827, 18.7317



79.8239, 87.0767, 72.4912



27.2091, 20.3905, 14.3067



17.4359, 19.1182, 15.2358



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



40.2733, 46.8827, 18.7317



70.6325, 83.3543, 26.1633



31.3520, 42.2836, 18.3142



10.3112, 11.1148, 10.1786



26.0113, 31.5852, 4.7256



1.0224, 1.2390, 0.1853

Inverse Universe

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



18.6886, 15.2220, 48.9696



27.4809, 20.0528, 86.6236



24.7606, 18.3522, 49.2538



9.0263, 9.2304, 11.9781



6.2028, 2.4837, 32.5454



0.2465, 0.0991, 1.2750

Previews

White Background



This preview shows how the XYZ color 40.2722, 46.8806, 18.7307 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 40.2722, 46.8806, 18.7307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

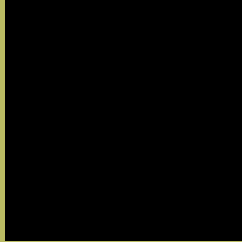
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.2722, 46.8806, 18.7307

Background



This preview shows how black text looks on a background with the XYZ color 40.2722, 46.8806, 18.7307.



This preview shows how white text looks on a background with the XYZ color 40.2722, 46.8806,

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

40.2722, 46.8806, 18.7307

Protanopia

42.9730, 46.7365, 18.0654

Deuteranopia

47.6585, 46.7610, 19.0843



Tritanopia

47.8911, 46.9416, 55.8267

Trichromacy



Original Color

40.2722, 46.8806, 18.7307

Protanomaly

42.1100, 46.8986, 18.3882

Deuteranomaly

44.7636, 46.7351, 18.9734

Tritanomaly

44.4337, 46.7228, 39.0243

Monochromacy



Original Color

40.2722, 46.8806, 18.7307

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

40.7711, 44.9210, 34.9555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2722, 46.8806, 18.7307 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(186, 187, 99)` looks like.

```
.text, #text, p{  
    color:rgb(186, 187, 99)  
}
```

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(186, 187, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 187, 99) }
```

Border

The CSS property to change the border of an element to XYZ 40.2722, 46.8806, 18.7307 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(186, 187, 99) }
```


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

```
.border{ border-color:rgb(186, 187, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 187, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 187, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 187, 99);  
box-shadow:4px 4px 4px 4px rgb(186, 187,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2722, 46.8806, 18.7307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 187, 99) }
```

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

```
.background{ background-color: rgb(186,  
187, 99) }
```

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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