

Converting Colors

XYZ(40.7751, 46.4830, 20.3365)

Have a look what the booklet for
XYZ(40.7751, 46.4830, 20.3365)
contains.

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Color

**XYZ(40.6895, 46.4299,
20.4530)**

Conversions

Conversions Part 1

Format	Color
Hex	BCB96A
RGB	188, 185, 106
RGB Percent	74%, 73%, 42%
CMY	0.2627, 0.2745, 0.5843
CMYK	0.00, 0.02, 0.44, 0.26
HSL	58°, 38%, 58%
HSV	58°, 44%, 74%
XYZ	40.6895, 46.4299, 20.4530
YIQ	176.8910, 27.1470, -23.9330

Conversions

Conversions Part 2

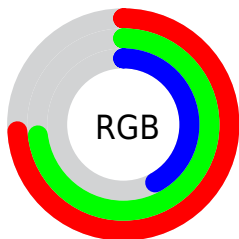
Format	Color
RYB	109, 188, 106
Decimal	12368234
CIELab	73.82, -10.34, 40.33
CIELCh	74, 41.630, 104.375
Yxy	46.4299, 0.3783, 0.4316
Android (android.graphics.Color)	4290558314 (0xFFBCB96A)
YUV	176.8910, -34.9493, 9.7426
Hunter-Lab	68.1395, -12.6528, 29.9009

Details

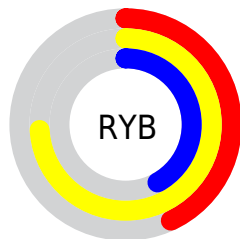
The XYZ color **40.6895, 46.4299, 20.4530** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **20.4895, 17.6318, 49.9002**, and the grayscale version is **41.9014, 44.0836, 48.0070**.

A 20% lighter version of the original color is **75.3695, 84.8263, 45.2016**, and **18.6379, 21.7746, 6.9620** is the 20% darker color. If you saturate the color by 10%, you get **39.6743, 45.7962, 15.8087**, and if you desaturate by 10%, it is **41.9220, 47.1550, 26.2282**.

Distribution



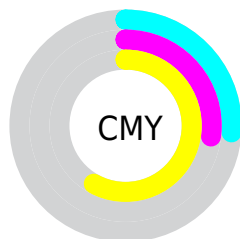
- Red (74%)
- Green (73%)
- Blue (42%)



- Red (43%)
- Yellow (74%)
- Blue (42%)



- Cyan (0%)
- Magenta (2%)
- Yellow (44%)
- Black (26%)



- Cyan (26%)
- Magenta (27%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6895, 46.4299, 20.4530 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 40.6895, 46.4299, 20.4530 by changing the saturation by 10% instead.

■ 40.6895, 46.4299,
20.4530

■ 40.6895, 46.4299,
20.4530

340.1060,
372.5343, 267.0419

■ 28.2631, 32.5852,
12.5374

■ 75.4900, 84.8620,
45.0443

■ 18.6656, 21.8089,
6.9838

■ 98.5949, 110.2182,
62.5571

■ 11.5315, 13.7165,
3.3737

■ 125.9900,
140.1804, 84.1060

■ 6.4954, 7.9238,
1.2885

■ 158.0406,
175.1329, 110.1097

■ 3.1921, 4.0462,
0.0523

195.1122,
215.4601, 140.9865

■ 1.2561, 1.6994,
0.0000

237.5700,

■ 0.1500, 0.4233,

261.5465, 177.1552

0.0000

285.7795,
313.7764, 219.0341

■ 0.0000, 0.0000,
0.0000

■ 40.6895, 46.4299,
20.4530

■ 40.6895, 46.4299,
20.4530

■ 39.6743, 45.7962,
15.8087

■ 41.9220, 47.1550,
26.2282

■ 38.8588, 45.2418,
12.2179

■ 43.3814, 47.9702,
33.1992

■ 38.2283, 44.7626,
9.5980


■ 45.0805, 48.8825,
41.4295


■ 37.7647, 44.3512,
7.8529


■ 47.0304, 49.8962,
50.9771


■ 37.4458, 43.9987,
6.8669

■ 49.2415, 51.0155,
61.8966

 37.2900, 43.7935,
6.4876

 51.7236, 52.2443,
74.2394

 54.4858, 53.5862,
88.0543

 57.3105, 54.9543,
102.1944

 57.4600, 55.2535,
102.2443

Harmonies

Analogous

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



48.0764, 46.4299, 20.5791



40.6895, 46.4299, 20.4530



34.9046, 46.4299, 26.6543

Triad

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



40.6895, 46.4299, 20.4530



34.7172, 46.4299, 84.7621



59.3081, 46.4299, 62.3488

Complementary

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



40.6895, 46.4299, 20.4530



20.4895, 17.6318, 49.9002

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.



54.8531, 46.4299, 85.6523



40.6895, 46.4299, 20.4530



40.4061, 46.4299, 100.8577

Square

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



40.6895, 46.4299, 20.4530



31.7271, 46.4299, 61.3666



47.7597, 46.4299, 101.2227



59.4059, 46.4299, 41.0930

Rectangle

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



40.6895, 46.4299, 20.4530



32.4992, 46.4299, 34.8932



47.7597, 46.4299, 101.2227



58.2500, 46.4299, 70.3148

Sweetspot

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



40.6906, 46.4320, 20.4540



81.8354, 88.6630, 75.7353



28.7133, 22.1279, 17.5388



17.4426, 18.9842, 15.5286



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.



40.6906, 46.4320, 20.4540



72.0316, 83.0819, 29.2253



33.3660, 43.5960, 20.2926



10.2916, 11.0591, 10.1688



25.4014, 29.8417, 4.4212



1.0044, 1.1877, 0.1763

Inverse Universe

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



20.4895, 17.6318, 49.9002



30.8333, 24.3540, 89.3019



25.5419, 19.7702, 50.0466



9.0437, 9.2797, 11.9867



6.2428, 2.5974, 32.5652



0.2542, 0.1211, 1.2788

Previews

White Background



This preview shows how the XYZ color 40.6895, 46.4299, 20.4530 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 40.6895, 46.4299, 20.4530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

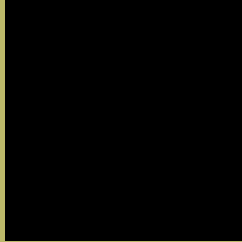
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.6895, 46.4299, 20.4530

Background



This preview shows how black text looks on a background with the XYZ color 40.6895, 46.4299, 20.4530.



This preview shows how white text looks on a background with the XYZ color 40.6895, 46.4299,

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

40.6895, 46.4299, 20.4530

Protanopia

42.6269, 46.2098, 20.0373

Deuteranopia

47.2191, 46.2069, 20.8981



Tritanopia

47.5412, 46.2044, 54.5568

Trichromacy



Original Color

40.6895, 46.4299, 20.4530

Protanomaly

41.7834, 46.0779, 20.0563

Deuteranomaly

44.4413, 45.9369, 20.7118

Tritanomaly

44.6262, 46.2127, 39.3688

Monochromacy



Original Color

40.6895, 46.4299, 20.4530

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

40.9632, 44.7006, 35.7472

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6895, 46.4299, 20.4530 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(188, 185, 106)` looks like.

```
.text, #text, p{  
    color:rgb(188, 185, 106)  
}
```

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(188, 185, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 185, 106) }
```

Border

The CSS property to change the border of an element to XYZ 40.6895, 46.4299, 20.4530 is called "border". The border property can be set on classes, ids or directly on the HTML element.

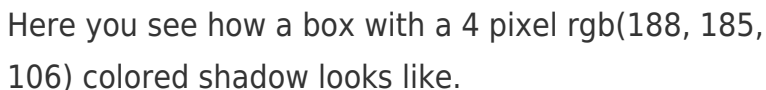
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 185, 106) }
```


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

```
.border{ border-color:rgb(188, 185, 106) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 185, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 185, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 185, 106);  
box-shadow:4px 4px 4px 4px rgb(188, 185,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6895, 46.4299, 20.4530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 185, 106) }
```

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

```
.background{ background-color: rgb(188,  
185, 106) }
```

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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