

Converting Colors

XYZ(46.4387, 50.5529, 41.3916)

Have a look what the booklet for
XYZ(46.4387, 50.5529, 41.3916)
contains.

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Color

**XYZ(46.4209, 50.5119,
41.4855)**

Conversions

Conversions Part 1

Format	Color
Hex	BFBEA2
RGB	191, 190, 162
RGB Percent	75%, 75%, 64%
CMY	0.2510, 0.2549, 0.3647
CMYK	0.00, 0.01, 0.15, 0.25
HSL	58°, 18%, 69%
HSV	58°, 15%, 75%
XYZ	46.4209, 50.5119, 41.4855
YIQ	187.1070, 9.5840, -8.4960

Conversions

Conversions Part 2

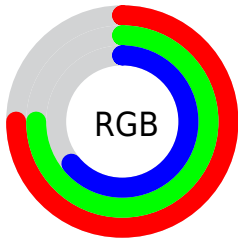
Format	Color
RYB	163, 191, 162
Decimal	12566178
CIELab	76.38, -4.44, 14.29
CIELCh	76, 14.963, 107.273
Yxy	50.5119, 0.3354, 0.3649
Android (android.graphics.Color)	4290756258 (0xFFBFBEA2)
YUV	187.1070, -12.3778, 3.4142
Hunter-Lab	71.0717, -7.7872, 15.1419

Details

The XYZ color **46.4209, 50.5119, 41.4855** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.4014, 37.6366, 54.5840**, and the grayscale version is **47.3594, 49.8258, 54.2603**.

A 20% lighter version of the original color is **83.8379, 90.6954, 78.7329**, and **22.0767, 24.3355, 18.2855** is the 20% darker color. If you saturate the color by 10%, you get **44.7092, 49.6021, 33.1652**, and if you desaturate by 10%, it is **48.3939, 51.5306, 51.1665**.

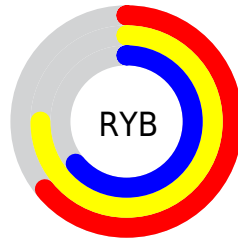
Distribution



Red (75%)

Green (75%)

Blue (64%)



Red (64%)

Yellow (75%)

Blue (64%)

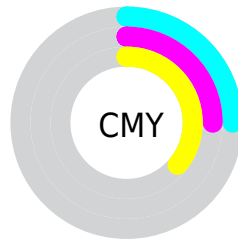


Cyan (0%)

Magenta (1%)

Yellow (15%)

Black (25%)



Cyan (25%)


Magenta (25%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4209, 50.5119, 41.4855 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 46.4209, 50.5119, 41.4855 by changing the saturation by 10% instead.


 46.4209, 50.5119,
41.4855


 46.4209, 50.5119,
41.4855


363.1859,
388.6644, 368.0822

 32.7841, 35.8203,
28.3761

 84.0726, 90.9329,
78.6820

 22.1196, 24.2954,
18.3678


 108.8182,
117.4310, 103.6062

 14.0619, 15.5529,
11.0422


137.9974,
148.6335, 133.3057

 8.2457, 9.2084,
5.9807

171.9757,
184.9247, 168.1991

 4.3057, 4.8773,
2.7648

211.1183,
226.6890, 208.7049

 1.8765, 2.1755,
0.9758

255.7906,

 0.5631, 0.7066,

274.3108, 255.2417

0.0000

306.3580,
328.1745, 308.2279

0.0000, 0.0000,
0.0000

46.4209, 50.5119,
41.4855

46.4209, 50.5119,
41.4855

44.7092, 49.6021,
33.1652

48.3939, 51.5306,
51.1665

43.2432, 48.7898,
26.1412

50.6349, 52.6559,
62.2621

42.0116, 48.0724,
20.3489

53.1556, 53.8941,
74.8272

41.0010, 47.4444,
15.7168

55.9657, 55.2491,
88.9132

40.1963, 46.8998,
12.1660

58.6690, 56.5624,
102.4332

■ 39.5807, 46.4318,
9.6080

■ 58.8146, 56.8536,
102.4817

■ 39.1347, 46.0327,
7.9402

■ 58.9609, 57.1461,
102.5305

■ 38.8346, 45.6929,
7.0370

■ 59.1078, 57.4400,
102.5794

■ 38.7183, 45.5409,
6.7496

■ 59.2554, 57.7351,
102.6286

Harmonies

Analogous

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



49.2124, 50.5119, 41.2224



46.4209, 50.5119, 41.4855



44.1430, 50.5119, 45.1377

Triad

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



46.4209, 50.5119, 41.4855



44.4306, 50.5119, 67.1892



53.4853, 50.5119, 58.4850

Complementary

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



46.4209, 50.5119, 41.4855



37.4014, 37.6366, 54.5840

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.



52.0966, 50.5119, 66.2008



46.4209, 50.5119, 41.4855



46.8275, 50.5119, 71.5463

Square

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



46.4209, 50.5119, 41.4855



43.0250, 50.5119, 59.7308



49.6351, 50.5119, 71.1679



53.3660, 50.5119, 50.5237

Rectangle

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



46.4209, 50.5119, 41.4855



43.1890, 50.5119, 49.2250



49.6351, 50.5119, 71.1679



53.1771, 50.5119, 61.2075

Sweetspot

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



46.4222, 50.5141, 41.4866



86.7121, 92.3108, 91.8316



41.0580, 39.5782, 40.3381



18.9825, 20.2407, 19.8760



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.



46.4222, 50.5141, 41.4866



82.1415, 89.9440, 69.4235



43.5015, 49.3298, 41.4119



10.2934, 11.0628, 10.1694



25.4576, 29.9539, 4.4399



1.0060, 1.1910, 0.1769

Inverse Universe

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



37.4014, 37.6366, 54.5840



63.1017, 62.7645, 97.0681



40.0153, 38.7227, 54.6558



9.0421, 9.2765, 11.9862



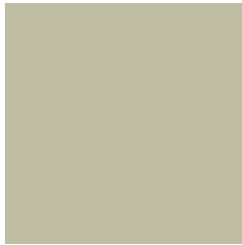
6.2391, 2.5899, 32.5640



0.2535, 0.1196, 1.2786

Previews

White Background



This preview shows how the XYZ color 46.4209, 50.5119, 41.4855 looks on a white background.

Color Contrast Check

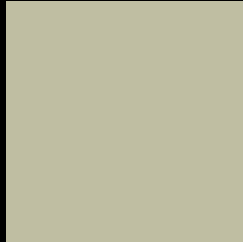
Large Text (above 18pt) WCAG AA × Fail

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 46.4209, 50.5119, 41.4855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

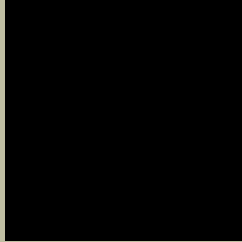
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

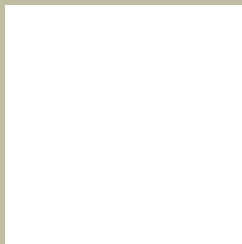
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.4209, 50.5119, 41.4855

Background



This preview shows how black text looks on a background with the XYZ color 46.4209, 50.5119, 41.4855.



This preview shows how white text looks on a background with the XYZ color 46.4209, 50.5119,

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

46.4209, 50.5119, 41.4855

Protanopia

47.7049, 50.5454, 40.9601

Deuteranopia

51.2490, 50.1752, 42.1056



Tritanopia

50.4227, 50.5572, 61.1338

Trichromacy



Original Color

46.4209, 50.5119, 41.4855

Protanomaly

47.1363, 50.5705, 40.9949

Deuteranomaly

49.2049, 50.0471, 41.7170

Tritanomaly

48.8814, 50.5552, 53.6362

Monochromacy



Original Color

46.4209, 50.5119, 41.4855

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.7581, 49.8722, 49.2814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4209, 50.5119, 41.4855 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(191, 190, 162)` looks like.

```
.text, #text, p{  
    color:rgb(191, 190, 162)  
}
```

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(191, 190, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 190, 162) }
```

Border

The CSS property to change the border of an element to XYZ 46.4209, 50.5119, 41.4855 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(191, 190, 162) }
```


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

```
.border{ border-color:rgb(191, 190, 162) }
```

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

Here you see how a box with a 4 pixel rgb(191, 190, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 190, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 190, 162);  
box-shadow:4px 4px 4px 4px rgb(191, 190,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4209, 50.5119, 41.4855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 190, 162) }
```

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

```
.background{ background-color: rgb(191,  
190, 162) }
```

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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