

Converting Colors

XYZ(46.9632, 50.3197, 45.4574)

Have a look what the booklet for
XYZ(46.9632, 50.3197, 45.4574)
contains.

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Color

**XYZ(46.9392, 50.3738,
45.2794)**

Conversions

Conversions Part 1

Format	Color
Hex	BFBDA4
RGB	191, 189, 170
RGB Percent	75%, 74%, 67%
CMY	0.2510, 0.2588, 0.3333
CMYK	0.00, 0.01, 0.11, 0.25
HSL	54°, 14%, 71%
HSV	54°, 11%, 75%
XYZ	46.9392, 50.3738, 45.2794
YIQ	187.4320, 7.2910, -5.4850

Conversions

Conversions Part 2

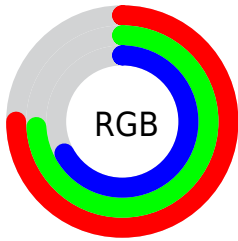
Format	Color
RYB	172, 191, 170
Decimal	12565930
CIELab	76.30, -2.62, 9.85
CIELCh	76, 10.194, 104.891
Yxy	50.3738, 0.3292, 0.3533
Android (android.graphics.Color)	4290756010 (0xFFBFBDA)
YUV	187.4320, -8.5940, 3.1291
Hunter-Lab	70.9745, -6.1539, 11.8571

Details

The XYZ color **46.9392, 50.3738, 45.2794** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **40.7342, 41.8122, 55.2145**, and the grayscale version is **47.5234, 49.9983, 54.4482**.

A 20% lighter version of the original color is **84.6008, 90.5152, 84.2464**, and **22.5554, 24.3196, 20.6449** is the 20% darker color. If you saturate the color by 10%, you get **44.8744, 48.9284, 36.3152**, and if you desaturate by 10%, it is **49.2742, 51.9384, 55.6301**.

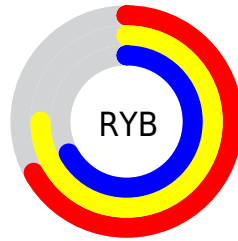
Distribution



Red (75%)

Green (74%)

Blue (67%)



Red (67%)

Yellow (75%)

Blue (67%)

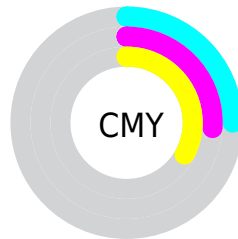


Cyan (0%)

Magenta (1%)

Yellow (11%)

Black (25%)



Cyan (25%)

Magenta (26%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9392, 50.3738, 45.2794 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 46.9392, 50.3738, 45.2794 by changing the saturation by 10% instead.

■ 46.9392, 50.3738,
45.2794

■ 46.9392, 50.3738,
45.2794

365.2248,
388.1259, 384.0970

■ 33.1953, 35.7105,
31.3330

■ 84.8422, 90.7285,
84.4624

■ 22.4361, 24.2107,
20.5920

109.7320,
117.1886, 110.5361

■ 14.2961, 15.4900,
12.6377

139.0678,
148.3499, 141.4893

■ 8.4100, 9.1640,
7.0518

173.2150,
184.5966, 177.7406

■ 4.4124, 4.8483,
3.4156

212.5389,
226.3131, 219.7085

■ 1.9380, 2.1585,
1.3105

257.4050,

■ 0.5988, 0.6972,

273.8839, 267.8115

0.0704

308.1785,
327.6934, 322.4681

■ 0.0000, 0.0000,
0.0000

■ 46.9392, 50.3738,
45.2794

■ 46.9392, 50.3738,
45.2794

■ 44.8744, 48.9284,
36.3152

■ 49.2742, 51.9384,
55.6301

■ 43.0644, 47.5911,
28.6748

■ 51.8859, 53.6199,
67.4197

■ 41.4985, 46.3591,
22.2957

■ 54.7856, 55.4246,
80.7022

■ 40.1635, 45.2273,
17.1090

■ 57.9830, 57.3561,
95.5274

■ 39.0452, 44.1898,
13.0390

■ 59.7495, 58.7233,
102.7933

■ 38.1274, 43.2403,
10.0017

■ 60.1674, 59.5590,
102.9326

■ 37.3920, 42.3713,
7.9010

■ 60.5902, 60.4046,
103.0736

■ 36.8172, 41.5742,
6.6227

■ 61.0180, 61.2603,
103.2162

■ 36.3993, 40.9028,
5.9766

■ 61.4509, 62.1260,
103.3605

Harmonies

Analogous

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



48.8446, 50.3738, 45.2886



46.9392, 50.3738, 45.2794



45.3279, 50.3738, 47.7147

Triad

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



46.9392, 50.3738, 45.2794



45.3184, 50.3738, 62.6291



51.5207, 50.3738, 57.6422

Complementary

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



46.9392, 50.3738, 45.2794



40.7342, 41.8122, 55.2145

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.



50.5236, 50.3738, 62.6602



46.9392, 50.3738, 45.2794



46.9258, 50.3738, 65.6672

Square

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



46.9392, 50.3738, 45.2794



44.4092, 50.3738, 57.6020



48.8308, 50.3738, 65.6789



51.5245, 50.3738, 52.1841

Rectangle

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



46.9392, 50.3738, 45.2794



44.6228, 50.3738, 50.4961



48.8308, 50.3738, 65.6789



51.2894, 50.3738, 59.4441

Sweetspot

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



46.9406, 50.3760, 45.2805



87.3512, 92.4292, 95.6199



43.3173, 42.8090, 45.0607



19.1047, 20.2457, 20.6549



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.



46.9406, 50.3760, 45.2805



83.2109, 89.6318, 77.3361



45.3206, 50.1829, 45.3286



10.2426, 10.9612, 10.1525



23.9529, 26.9447, 3.9384



0.9611, 1.1010, 0.1619

Inverse Universe

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



40.7342, 41.8122, 55.2145



70.0608, 71.4870, 98.3849



42.2314, 42.0242, 55.1765



9.0875, 9.3674, 12.0013



6.3514, 2.8146, 32.6014



0.2737, 0.1600, 1.2853

Previews

White Background



This preview shows how the XYZ color 46.9392, 50.3738, 45.2794 looks on a white background.

Color Contrast Check

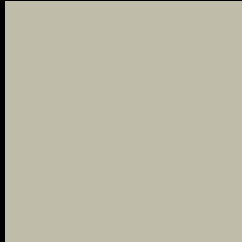
Large Text (above 18pt) WCAG AA × Fail

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 46.9392, 50.3738, 45.2794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

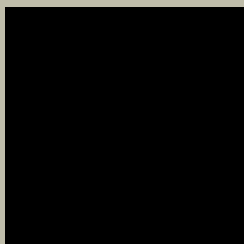
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

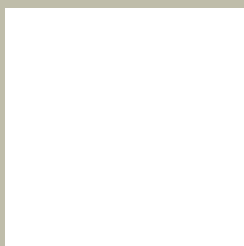
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.9392, 50.3738, 45.2794

Background



This preview shows how black text looks on a background with the XYZ color 46.9392, 50.3738, 45.2794.



This preview shows how white text looks on a background with the XYZ color 46.9392, 50.3738,

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

46.9392, 50.3738, 45.2794

Protanopia

47.6967, 50.1410, 44.7004

Deuteranopia

51.1216, 50.0234, 45.9908



Tritanopia

50.1634, 50.4235, 61.1217

Trichromacy



Original Color

46.9392, 50.3738, 45.2794

Protanomaly

47.3928, 50.3003, 44.7472

Deuteranomaly

49.3930, 50.0586, 45.5871

Tritanomaly

48.8841, 50.2180, 54.6935

Monochromacy



Original Color

46.9392, 50.3738, 45.2794

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.0627, 49.9940, 50.8854

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9392, 50.3738, 45.2794 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, 189, 170)` looks like.

```
.text, #text, p{  
    color:rgb(191, 189, 170)  
}
```

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, 189, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 189, 170) }
```

Border

The CSS property to change the border of an element to XYZ 46.9392, 50.3738, 45.2794 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, 189, 170) }
```


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

```
.border{ border-color:rgb(191, 189, 170) }
```

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

Here you see how a box with a 4 pixel rgb(191, 189, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 189, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 189, 170);  
box-shadow:4px 4px 4px 4px rgb(191, 189,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9392, 50.3738, 45.2794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 189, 170) }
```

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

```
.background{ background-color: rgb(191,  
189, 170) }
```

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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