

Converting Colors

XYZ(46.6757, 50.4708, 43.2699)

Have a look what the booklet for
XYZ(46.6757, 50.4708, 43.2699)
contains.

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Color

**XYZ(46.7822, 50.6565,
43.3884)**

Conversions

Conversions Part 1

Format	Color
Hex	BFBEA6
RGB	191, 190, 166
RGB Percent	75%, 75%, 65%
CMY	0.2510, 0.2549, 0.3490
CMYK	0.00, 0.01, 0.13, 0.25
HSL	58°, 16%, 70%
HSV	58°, 13%, 75%
XYZ	46.7822, 50.6565, 43.3884
YIQ	187.5630, 8.3000, -7.2520

Conversions

Conversions Part 2

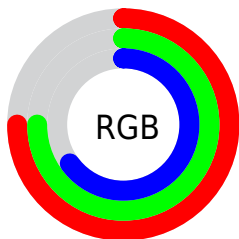
Format	Color
RYB	167, 191, 166
Decimal	12566182
CIELab	76.47, -3.80, 12.26
CIELCh	76, 12.833, 107.241
Yxy	50.6565, 0.3322, 0.3597
Android (android.graphics.Color)	4290756262 (0xFFBFBEA6)
YUV	187.5630, -10.6306, 3.0142
Hunter-Lab	71.1734, -7.2255, 13.6773

Details

The XYZ color **46.7822, 50.6565, 43.3884** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **38.9484, 39.5050, 54.8629**, and the grayscale version is **47.6084, 50.0877, 54.5455**.

A 20% lighter version of the original color is **84.3647, 90.9061, 81.5068**, and **22.2995, 24.4246, 19.4587** is the 20% darker color. If you saturate the color by 10%, you get **44.9949, 49.6804, 34.7810**, and if you desaturate by 10%, it is **48.8333, 51.7429, 53.3688**.

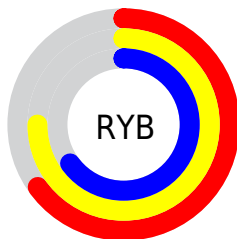
Distribution



Red (75%)

Green (75%)

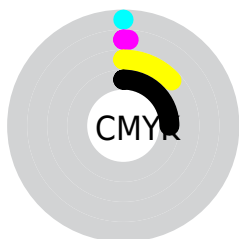
Blue (65%)



Red (65%)

Yellow (75%)

Blue (65%)

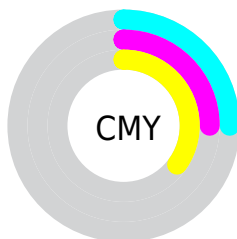


Cyan (0%)

Magenta (1%)

Yellow (13%)

Black (25%)



Cyan (25%)

Magenta (25%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7822, 50.6565, 43.3884 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 46.7822, 50.6565, 43.3884 by changing the saturation by 10% instead.

■ 46.7822, 50.6565,
43.3884

■ 46.7822, 50.6565,
43.3884

364.6079,
389.2277, 376.1747

■ 33.0707, 35.9353,
29.8563

■ 84.6091, 91.1468,
81.5893

■ 22.3401, 24.3842,
19.4784

■ 109.4553,
117.6847, 107.0952

■ 14.2250, 15.6189,
11.8362

138.7438,
148.9304, 137.4294

■ 8.3601, 9.2549,
6.5110

172.8399,
185.2681, 173.0105

■ 4.3800, 4.9078,
3.0845

212.1090,
227.0823, 214.2571

■ 1.9193, 2.1933,
1.1379

256.9165,

■ 0.5880, 0.7163,

274.7573, 261.5876

0.0000

307.6277,
328.6777, 315.4206

■ 0.0000, 0.0000,
0.0000

■ 46.7822, 50.6565,
43.3884

■ 46.7822, 50.6565,
43.3884

■ 44.9949, 49.6804,
34.7810

■ 48.8333, 51.7429,
53.3688

■ 43.4560, 48.8033,
27.4832

■ 51.1549, 52.9372,
64.7753

■ 42.1544, 48.0226,
21.4314

■ 53.7585, 54.2456,
77.6625

■ 41.0770, 47.3328,
16.5553

■ 56.6537, 55.6720,
92.0809

■ 40.2090, 46.7282,
12.7779

■ 58.7849, 56.7943,
102.4718

■ 39.5340, 46.2022,
10.0128

■ 58.9544, 57.1332,
102.5283

■ 39.0332, 45.7473,
8.1609

■ 59.1247, 57.4739,
102.5851

■ 38.6840, 45.3543,
7.1030

■ 59.2959, 57.8163,
102.6422

■ 38.5012, 45.1068,
6.6773

■ 59.4680, 58.1605,
102.6995

Harmonies

Analogous

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



49.1819, 50.6565, 43.1591



46.7822, 50.6565, 43.3884



44.8130, 50.6565, 46.5988

Triad

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



46.7822, 50.6565, 43.3884



45.0585, 50.6565, 65.5248



52.8273, 50.6565, 58.1506

Complementary

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



46.7822, 50.6565, 43.3884



38.9484, 39.5050, 54.8629

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.



51.6434, 50.6565, 64.7022



46.7822, 50.6565, 43.3884



47.1276, 50.6565, 69.1932

Square

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



46.7822, 50.6565, 43.3884



43.8409, 50.6565, 59.1989



49.5391, 50.6565, 68.8801



52.7272, 50.6565, 51.3021

Rectangle

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



46.7822, 50.6565, 43.3884



43.9850, 50.6565, 50.1624



49.5391, 50.6565, 68.8801



52.5647, 50.6565, 60.4712

Sweetspot

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



46.7836, 50.6587, 43.3895



87.0814, 92.4736, 93.7300



42.1208, 41.1487, 42.4037



19.0579, 20.2727, 20.2678



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.



46.7836, 50.6587, 43.3895



82.7258, 90.1551, 72.5704



44.2784, 49.6884, 43.3342



10.2888, 11.0536, 10.1679



25.3169, 29.6726, 4.3930



1.0019, 1.1827, 0.1755

Inverse Universe

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



38.9484, 39.5050, 54.8629



65.6779, 65.8869, 97.5350



41.2292, 40.4112, 54.9175



9.0462, 9.2846, 11.9875



6.2485, 2.6087, 32.5671



0.2553, 0.1233, 1.2792

Previews

White Background



This preview shows how the XYZ color 46.7822, 50.6565, 43.3884 looks on a white background.

Color Contrast Check

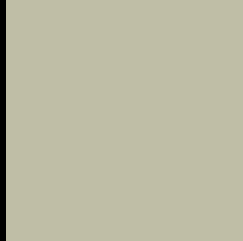
Large Text (above 18pt) WCAG AA × Fail

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 46.7822, 50.6565, 43.3884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

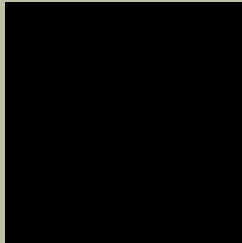
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

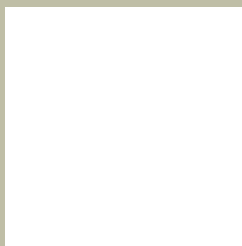
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.7822, 50.6565, 43.3884

Background



This preview shows how black text looks on a background with the XYZ color 46.7822, 50.6565, 43.3884.



This preview shows how white text looks on a background with the XYZ color 46.7822, 50.6565,

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

46.7822, 50.6565, 43.3884

Protanopia

47.8007, 50.5534, 42.8357

Deuteranopia

51.5274, 50.5792, 44.0928



Tritanopia

50.5392, 50.6038, 61.7474

Trichromacy



Original Color

46.7822, 50.6565, 43.3884

Protanomaly

47.4948, 50.7139, 42.8828

Deuteranomaly

49.7776, 50.6098, 43.7043

Tritanomaly

49.0956, 50.6408, 54.7640

Monochromacy



Original Color

46.7822, 50.6565, 43.3884

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.4221, 50.5093, 50.4299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7822, 50.6565, 43.3884 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, 166)` looks like.

```
.text, #text, p{  
    color:rgb(191, 190, 166)  
}
```

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, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 190, 166) }
```

Border

The CSS property to change the border of an element to XYZ 46.7822, 50.6565, 43.3884 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, 166) }
```


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

```
.border{ border-color:rgb(191, 190, 166) }
```

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, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 190, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 190, 166);  
box-shadow:4px 4px 4px 4px rgb(191, 190,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7822, 50.6565, 43.3884 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, 166) }
```

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

```
.background{ background-color: rgb(191,  
190, 166) }
```

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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