

Converting Colors

XYZ(46.3529, 49.9930, 44.1891)

Have a look what the booklet for
XYZ(46.3529, 49.9930, 44.1891)
contains.

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Color

**XYZ(46.5007, 50.1695,
44.2786)**

Conversions

Conversions Part 1

Format	Color
Hex	BEBDA8
RGB	190, 189, 168
RGB Percent	75%, 74%, 66%
CMY	0.2549, 0.2588, 0.3412
CMYK	0.00, 0.01, 0.12, 0.25
HSL	57°, 14%, 70%
HSV	57°, 12%, 75%
XYZ	46.5007, 50.1695, 44.2786
YIQ	186.9050, 7.3370, -6.3190

Conversions

Conversions Part 2

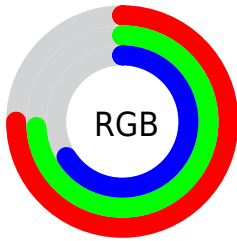
Format	Color
RYB	169, 190, 168
Decimal	12500392
CIELab	76.17, -3.32, 10.74
CIELCh	76, 11.244, 107.150
Yxy	50.1695, 0.3299, 0.3559
Android (android.graphics.Color)	4290690472 (0xFFBEBDA8)
YUV	186.9050, -9.3202, 2.7143
Hunter-Lab	70.8304, -6.7667, 12.5170

Details

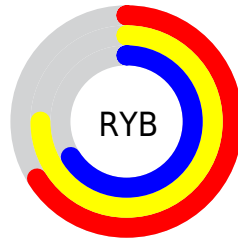
The XYZ color **46.5007, 50.1695, 44.2786** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **39.6306, 40.4178, 54.4284**, and the grayscale version is **47.2297, 49.6893, 54.1116**.

A 20% lighter version of the original color is **83.9777, 90.2254, 82.8012**, and **22.2731, 24.1876, 20.0178** is the 20% darker color. If you saturate the color by 10%, you get **44.6744, 49.1454, 35.5658**, and if you desaturate by 10%, it is **48.5895, 51.3037, 54.3562**.

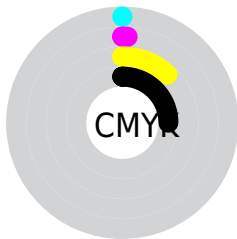
Distribution



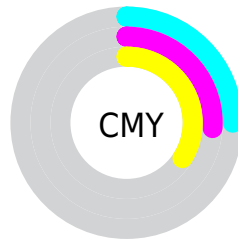
- Red (75%)
- Green (74%)
- Blue (66%)



- Red (66%)
- Yellow (75%)
- Blue (66%)



- Cyan (0%)
- Magenta (1%)
- Yellow (12%)
- Black (25%)



- Cyan (25%)
- Magenta (26%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5007, 50.1695, 44.2786 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 46.5007, 50.1695, 44.2786 by changing the saturation by 10% instead.

■ 46.5007, 50.1695,
44.2786

■ 46.5007, 50.1695,
44.2786

363.5003,
387.3284, 379.9185

■ 32.8474, 35.5481,
30.5508

■ 84.1911, 90.4260,
82.9437

■ 22.1682, 24.0854,
20.0014

108.9590,
116.8298, 108.7182

■ 14.0979, 15.3970,
12.2120

138.1624,
147.9299, 139.3452

■ 8.2709, 9.0985,
6.7639

172.1667,
184.1107, 175.2434

■ 4.3221, 4.8055,
3.2387

211.3373,
225.7566, 216.8313

■ 1.8859, 2.1336,
1.2178

256.0395,

■ 0.5686, 0.6834,

273.2519, 264.5274

0.0000

306.6387,
326.9810, 318.7503

■ 0.0000, 0.0000,
0.0000

■ 46.5007, 50.1695,
44.2786

■ 46.5007, 50.1695,
44.2786

■ 44.6744, 49.1454,
35.5658

■ 48.5895, 51.3037,
54.3562

■ 43.0954, 48.2203,
28.1556

■ 50.9472, 52.5455,
65.8506

■ 41.7530, 47.3916,
21.9861

■ 53.5851, 53.9012,
78.8151

■ 40.6343, 46.6541,
16.9890

■ 56.5126, 55.3745,
93.2992

■ 39.7250, 46.0021,
13.0891

■ 58.4232, 56.4428,
102.4231

■ 39.0091, 45.4293,
10.2029

■ 58.6143, 56.8251,
102.4868

■ 38.4687, 44.9283,
8.2347

■ 58.8066, 57.2096,
102.5509

■ 38.0819, 44.4906,
7.0707

■ 59.0000, 57.5964,
102.6153

■ 37.8402, 44.1569,
6.5287

■ 59.1944, 57.9853,
102.6801

Harmonies

Analogous

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



48.5907, 50.1695, 44.0832



46.5007, 50.1695, 44.2786



44.7775, 50.1695, 47.1137

Triad

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



46.5007, 50.1695, 44.2786



44.9838, 50.1695, 63.5755



51.7418, 50.1695, 57.2457

Complementary

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



46.5007, 50.1695, 44.2786



39.6306, 40.4178, 54.4284

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.



50.7149, 50.1695, 62.8973



46.5007, 50.1695, 44.2786



46.7898, 50.1695, 66.7286

Square

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



46.5007, 50.1695, 44.2786



43.9196, 50.1695, 58.1170



48.8884, 50.1695, 66.4717



51.6589, 50.1695, 51.2778

Rectangle

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



46.5007, 50.1695, 44.2786



44.0501, 50.1695, 50.2459



48.8884, 50.1695, 66.4717



51.5137, 50.1695, 59.2536

Sweetspot

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



46.5021, 50.1717, 44.2797



87.4641, 92.6550, 95.6575



42.4093, 41.8214, 43.4232



19.1361, 20.3085, 20.6654



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.



46.5021, 50.1717, 44.2797



83.3457, 90.4068, 75.8227



44.3276, 49.3699, 44.2395



10.2842, 11.0444, 10.1664



25.1774, 29.3935, 4.3465



0.9977, 1.1744, 0.1741

Inverse Universe

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



39.6306, 40.4178, 54.4284



68.3221, 69.0810, 98.0121



41.6347, 41.1768, 54.4692



9.0502, 9.2928, 11.9889



6.2579, 2.6275, 32.5702



0.2571, 0.1269, 1.2798

Previews

White Background



This preview shows how the XYZ color 46.5007, 50.1695, 44.2786 looks on a white background.

Color Contrast Check

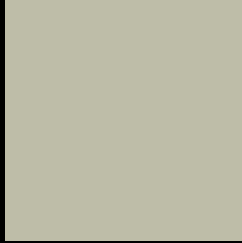
Large Text (above 18pt) WCAG AA × Fail

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 46.5007, 50.1695, 44.2786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

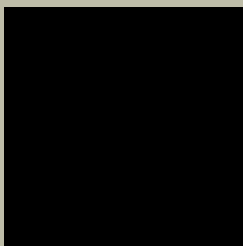
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

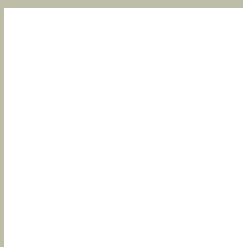
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.5007, 50.1695, 44.2786

Background



This preview shows how black text looks on a background with the XYZ color 46.5007, 50.1695, 44.2786.



This preview shows how white text looks on a background with the XYZ color 46.5007, 50.1695,

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

46.5007, 50.1695, 44.2786

Protanopia

47.5103, 50.0664, 43.7189

Deuteranopia

51.2201, 50.0962, 45.0001



Tritanopia

49.9059, 50.2908, 61.1096

Trichromacy



Original Color

46.5007, 50.1695, 44.2786

Protanomaly

47.2064, 50.2258, 43.7657

Deuteranomaly

49.4788, 50.1247, 44.6033

Tritanomaly

48.6283, 50.0861, 54.6815

Monochromacy



Original Color

46.5007, 50.1695, 44.2786

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.9605, 49.9531, 50.3468

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5007, 50.1695, 44.2786 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(190, 189, 168)` looks like.

```
.text, #text, p{  
    color:rgb(190, 189, 168)  
}
```

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(190, 189, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 189, 168) }
```

Border

The CSS property to change the border of an element to XYZ 46.5007, 50.1695, 44.2786 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(190, 189, 168) }
```


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

```
.border{ border-color:rgb(190, 189, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 189, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 189, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 189, 168);  
box-shadow:4px 4px 4px 4px rgb(190, 189,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5007, 50.1695, 44.2786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 189, 168) }
```

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

```
.background{ background-color: rgb(190,  
189, 168) }
```

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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