

Converting Colors

XYZ(46.2822, 49.9427, 45.1590)

Have a look what the booklet for
XYZ(46.2822, 49.9427, 45.1590)
contains.

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Color

**XYZ(46.4396, 50.1163,
45.2560)**

Conversions

Conversions Part 1

Format	Color
Hex	BDBDAA
RGB	189, 189, 170
RGB Percent	74%, 74%, 67%
CMY	0.2588, 0.2588, 0.3333
CMYK	0.00, 0.00, 0.10, 0.26
HSL	60°, 13%, 70%
HSV	60°, 10%, 74%
XYZ	46.4396, 50.1163, 45.2560
YIQ	186.8340, 6.0990, -5.9090

Conversions

Conversions Part 2

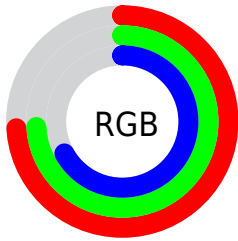
Format	Color
RYB	170, 189, 170
Decimal	12434858
CIELab	76.14, -3.35, 9.61
CIELCh	76, 10.173, 109.214
Yxy	50.1163, 0.3275, 0.3534
Android (android.graphics.Color)	4290624938 (0xFFBDBDAA)
YUV	186.8340, -8.2992, 1.8996
Hunter-Lab	70.7929, -6.7928, 11.6525

Details

The XYZ color **46.4396, 50.1163, 45.2560** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **40.1395, 40.9710, 53.9394**, and the grayscale version is **47.1846, 49.6418, 54.0600**.

A 20% lighter version of the original color is **83.8992, 90.1535, 84.2136**, and **22.2275, 24.1506, 20.6295** is the 20% darker color. If you saturate the color by 10%, you get **44.7783, 49.4533, 36.5066**, and if you desaturate by 10%, it is **48.3607, 50.8865, 55.3615**.

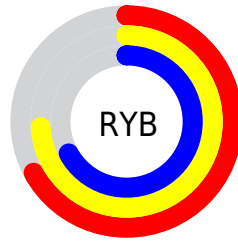
Distribution



Red (74%)

Green (74%)

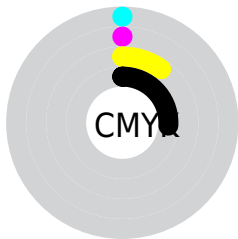
Blue (67%)



Red (67%)

Yellow (74%)

Blue (67%)

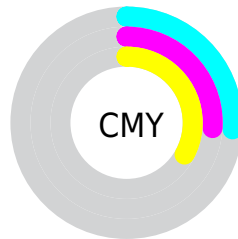


Cyan (0%)

Magenta (0%)

Yellow (10%)

Black (26%)



Cyan (26%)

Magenta (26%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4396, 50.1163, 45.2560 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 46.4396, 50.1163, 45.2560 by changing the saturation by 10% instead.

■ 46.4396, 50.1163,
45.2560

■ 46.4396, 50.1163,
45.2560

363.2596,
387.1206, 383.9997

■ 32.7989, 35.5058,
31.3147

■ 84.1004, 90.3472,
84.4269

■ 22.1310, 24.0528,
20.5781

108.8512,
116.7363, 110.4937

■ 14.0703, 15.3728,
12.6278

138.0361,
147.8205, 141.4393

■ 8.2516, 9.0814,
7.0450

172.0205,
183.9841, 177.6824

■ 4.3095, 4.7943,
3.4114

211.1696,
225.6115, 219.6414

■ 1.8787, 2.1271,
1.3083

255.8490,

■ 0.5644, 0.6798,

273.0872, 267.7349

0.0686

306.4238,
326.7954, 322.3815

■ 0.0000, 0.0000,
0.0000

■ 46.4396, 50.1163,
45.2560

■ 46.4396, 50.1163,
45.2560

■ 44.7783, 49.4533,
36.5066

■ 48.3607, 50.8865,
55.3615

■ 43.3619, 48.8867,
29.0525

■ 50.5478, 51.7614,
66.8739

■ 42.1800, 48.4138,
22.8332

■ 53.0120, 52.7472,
79.8454

■ 41.2199, 48.0296,
17.7821

■ 55.7625, 53.8475,
94.3245

■ 40.4678, 47.7287,
13.8262

■ 57.2396, 54.4385,
102.0986

■ 39.9083, 47.5048,
10.8846

■ 57.2405, 54.4389,
102.0986

■ 39.5238, 47.3509,
8.8648

■ 57.2414, 54.4394,
102.0987

■ 39.2937, 47.2588,
7.6579

■ 57.2423, 54.4399,
102.0987

■ 39.1770, 47.2120,
7.0480

■ 57.2433, 54.4403,
102.0987

Harmonies

Analogous

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



48.3223, 50.1163, 44.9049



46.4396, 50.1163, 45.2560



44.9161, 50.1163, 48.0030

Triad

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



46.4396, 50.1163, 45.2560



45.2829, 50.1163, 62.8961



51.3208, 50.1163, 56.5534

Complementary

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



46.4396, 50.1163, 45.2560



40.1395, 40.9710, 53.9394

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.



50.4595, 50.1163, 61.7061



46.4396, 50.1163, 45.2560



46.9523, 50.1163, 65.5268

Square

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



46.4396, 50.1163, 45.2560



44.2607, 50.1163, 58.0911



48.8488, 50.1163, 65.0773



51.1746, 50.1163, 51.1905

Rectangle

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



46.4396, 50.1163, 45.2560



44.2934, 50.1163, 50.9320



48.8488, 50.1163, 65.0773



51.1386, 50.1163, 58.3733

Sweetspot

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



46.4410, 50.1185, 45.2571



85.5307, 90.7012, 93.4697



42.6183, 42.4718, 43.9826



18.3320, 19.4805, 19.7793



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.



46.4410, 50.1185, 45.2571



82.4967, 89.4875, 77.5008



44.1613, 48.9433, 45.1504



10.3221, 11.1205, 10.1791



26.3582, 31.7640, 4.7418



1.0325, 1.2443, 0.1857

Inverse Universe

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



40.1395, 40.9710, 53.9394



69.0101, 69.9097, 96.0829



42.2677, 42.0681, 54.0390



9.0167, 9.2255, 11.9777



6.1806, 2.4723, 32.5443



0.2422, 0.0969, 1.2748

Previews

White Background



This preview shows how the XYZ color 46.4396, 50.1163, 45.2560 looks on a white background.

Color Contrast Check

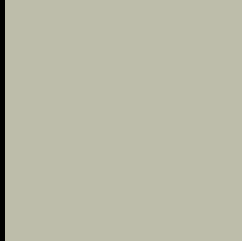
Large Text (above 18pt) WCAG AA × Fail

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 46.4396, 50.1163, 45.2560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

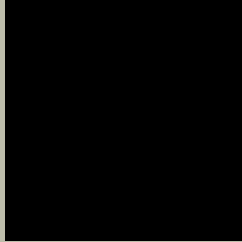
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

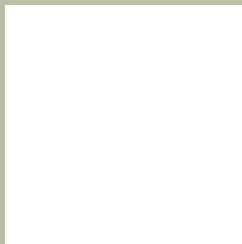
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.4396, 50.1163, 45.2560

Background



This preview shows how black text looks on a background with the XYZ color 46.4396, 50.1163, 45.2560.



This preview shows how white text looks on a background with the XYZ color 46.4396, 50.1163,

45.2560.

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

46.4396, 50.1163, 45.2560

Protanopia

47.4374, 50.0073, 44.6883

Deuteranopia

51.1216, 50.0234, 45.9908



Tritanopia

49.6501, 50.1589, 61.0976

Trichromacy



Original Color

46.4396, 50.1163, 45.2560

Protanomaly

47.1370, 50.1685, 44.7352

Deuteranomaly

49.3930, 50.0586, 45.5871

Tritanomaly

48.3742, 49.9551, 54.6697

Monochromacy



Original Color

46.4396, 50.1163, 45.2560

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 46.4396, 50.1163, 45.2560 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(189, 189, 170)` looks like.

```
.text, #text, p{  
    color:rgb(189, 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(189, 189, 170) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 46.4396, 50.1163, 45.2560 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(189, 189, 170) }
```


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

```
.border{ border-color:rgb(189, 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(189, 189, 170)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 46.4396, 50.1163, 45.2560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(189,  
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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