

Converting Colors

XYZ(46.3049, 50.1159, 44.2086)

Have a look what the booklet for
XYZ(46.3049, 50.1159, 44.2086)
contains.

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Color

**XYZ(46.2517, 50.0412,
44.2670)**

Conversions

Conversions Part 1

Format	Color
Hex	BDBDA8
RGB	189, 189, 168
RGB Percent	74%, 74%, 66%
CMY	0.2588, 0.2588, 0.3412
CMYK	0.00, 0.00, 0.11, 0.26
HSL	60°, 14%, 70%
HSV	60°, 11%, 74%
XYZ	46.2517, 50.0412, 44.2670
YIQ	186.6060, 6.7410, -6.5310

Conversions

Conversions Part 2

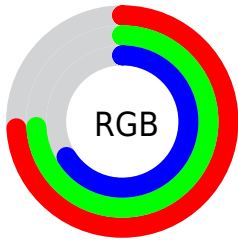
Format	Color
R _{YB}	168, 189, 168
Decimal	12434856
CIE Lab	76.09, -3.68, 10.62
CIE LCh	76, 11.242, 109.115
Yxy	50.0412, 0.3291, 0.3560
Android (android.graphics.Color)	4290624936 (0xFFBDBDA8)
YUV	186.6060, -9.1728, 2.0995
Hunter-Lab	70.7398, -7.0863, 12.4158

Details

The XYZ color **46.2517, 50.0412, 44.2670** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **39.3385, 40.0057, 53.7954**, and the grayscale version is **47.0607, 49.5115, 53.9180**.

A 20% lighter version of the original color is **83.6279, 90.0450, 82.7848**, and **22.1099, 24.1035, 20.0101** is the 20% darker color. If you saturate the color by 10%, you get **44.6169, 49.3888, 35.6575**, and if you desaturate by 10%, it is **48.1452, 50.8004, 54.2267**.

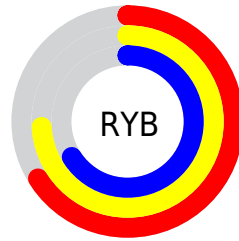
Distribution



Red (74%)

Green (74%)

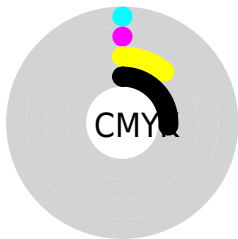
Blue (66%)



Red (66%)

Yellow (74%)

Blue (66%)

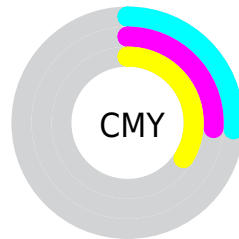


Cyan (0%)

Magenta (0%)

Yellow (11%)

Black (26%)



Cyan (26%)

Magenta (26%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2517, 50.0412, 44.2670 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 46.2517, 50.0412, 44.2670 by changing the saturation by 10% instead.

■ 46.2517, 50.0412,
44.2670

■ 46.2517, 50.0412,
44.2670

362.5186,
386.8270, 379.8699

■ 32.6500, 35.4461,
30.5417

■ 83.8211, 90.2359,
82.9261

■ 22.0164, 24.0067,
19.9946

■ 108.5195,
116.6044, 108.6970

■ 13.9856, 15.3386,
12.2071

137.6475,
147.6660, 139.3203

■ 8.1923, 9.0574,
6.7606

171.5704,
183.8054, 175.2144

■ 4.2711, 4.7786,
3.2367

210.6536,
225.4068, 216.7978

■ 1.8566, 2.1180,
1.2167

255.2625,

■ 0.5514, 0.6747,

272.8546, 264.4892

0.0000

305.7624,
326.5332, 318.7071

■ 0.0000, 0.0000,
0.0000

■ 46.2517, 50.0412,
44.2670

■ 46.2517, 50.0412,
44.2670

■ 44.6169, 49.3888,
35.6575

■ 48.1452, 50.8004,
54.2267

■ 43.2258, 48.8322,
28.3371

■ 50.3036, 51.6638,
65.5876

■ 42.0678, 48.3690,
22.2446

■ 52.7381, 52.6378,
78.4024

■ 41.1303, 47.9938,
17.3130

■ 55.4580, 53.7258,
92.7198

■ 40.3993, 47.7013,
13.4684

■ 57.2400, 54.4388,
102.0986

■ 39.8590, 47.4851,
10.6289

■ 57.2410, 54.4393,
102.0986

■ 39.4919, 47.3381,
8.7007

■ 57.2420, 54.4398,
102.0987

■ 39.2766, 47.2519,
7.5725

■ 57.2430, 54.4403,
102.0987

■ 39.1762, 47.2116,
7.0479

■ 57.2440, 54.4408,
102.0988

Harmonies

Analogous

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



48.3298, 50.0412, 43.8938



46.2517, 50.0412, 44.2670



44.5727, 50.0412, 47.2572

Triad

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



46.2517, 50.0412, 44.2670



44.9665, 50.0412, 63.7121



51.6421, 50.0412, 56.7011

Complementary

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



46.2517, 50.0412, 44.2670



39.3385, 40.0057, 53.7954

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.



50.6835, 50.0412, 62.4176



46.2517, 50.0412, 44.2670



46.8036, 50.0412, 66.6591

Square

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



46.2517, 50.0412, 44.2670



43.8459, 50.0412, 58.3644



48.8982, 50.0412, 66.1686



51.4837, 50.0412, 50.7840

Rectangle

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



46.2517, 50.0412, 44.2670



43.8864, 50.0412, 50.4640



48.8982, 50.0412, 66.1686



51.4387, 50.0412, 58.7170

Sweetspot

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



46.2531, 50.0434, 44.2681



85.5306, 90.7012, 93.4697



42.0584, 41.6525, 42.8695



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.



46.2531, 50.0434, 44.2681



82.1832, 89.3620, 75.8519



43.7425, 48.7491, 44.1506



10.3221, 11.1204, 10.1791



26.3575, 31.7637, 4.7418



1.0325, 1.2442, 0.1857

Inverse Universe

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



39.3385, 40.0057, 53.7954



67.6747, 68.3003, 95.8427



41.6645, 41.2048, 53.9043



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 46.2517, 50.0412, 44.2670 looks on a white background.

Color Contrast Check

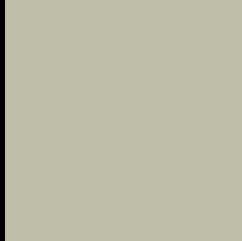
Large Text (above 18pt) WCAG AA × Fail

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 46.2517, 50.0412, 44.2670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

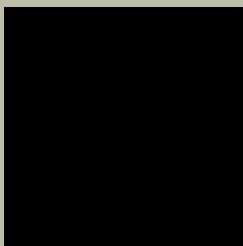
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

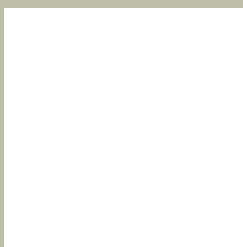
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.2517, 50.0412, 44.2670

Background



This preview shows how black text looks on a background with the XYZ color 46.2517, 50.0412, 44.2670.



This preview shows how white text looks on a background with the XYZ color 46.2517, 50.0412, 44.2670.

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

46.2517, 50.0412, 44.2670

Protanopia

47.5103, 50.0664, 43.7189

Deuteranopia

50.9309, 49.9471, 44.9866



Tritanopia

49.6501, 50.1589, 61.0976

Trichromacy



Original Color

46.2517, 50.0412, 44.2670

Protanomaly

46.9506, 50.0939, 43.7537

Deuteranomaly

49.2038, 49.9829, 44.5905

Tritanomaly

48.3742, 49.9551, 54.6697

Monochromacy



Original Color

46.2517, 50.0412, 44.2670

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 46.2517, 50.0412, 44.2670 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, 168)` looks like.

```
.text, #text, p{  
    color:rgb(189, 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(189, 189, 168) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 46.2517, 50.0412, 44.2670 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, 168) }
```


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

```
.border{ border-color:rgb(189, 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(189, 189, 168)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 46.2517, 50.0412, 44.2670 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, 168) }
```

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

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