

Converting Colors

XYZ(46.6069, 49.5573, 45.6371)

Have a look what the booklet for
XYZ(46.6069, 49.5573, 45.6371)
contains.

XYZ(46.6069, 49.5573, 45.6371)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.6069, 49.5573,
45.6371)**

Conversions

Conversions Part 1

Format	Color
Hex	BFBBAB
RGB	191, 187, 171
RGB Percent	75%, 73%, 67%
CMY	0.2510, 0.2666, 0.3294
CMYK	0.00, 0.02, 0.10, 0.25
HSL	48°, 14%, 71%
HSV	48°, 10%, 75%
XYZ	46.6069, 49.5573, 45.6371
YIQ	186.3720, 7.5200, -4.1280

Conversions

Conversions Part 2

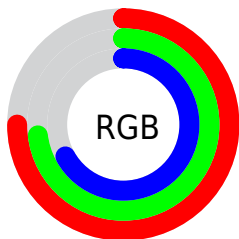
Format	Color
RYB	176, 191, 171
Decimal	12565419
CIELab	75.80, -1.39, 8.60
CIELCh	76, 8.707, 99.207
Yxy	49.5573, 0.3287, 0.3495
Android (android.graphics.Color)	4290755499 (0xFFBFBBAB)
YUV	186.3720, -7.5784, 4.0588
Hunter-Lab	70.3969, -5.0172, 10.8412

Details

The XYZ color **46.6069, 49.5573, 45.6371** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **41.5285, 43.0787, 55.4170**, and the grayscale version is **46.9201, 49.3636, 53.7570**.

A 20% lighter version of the original color is **84.1358, 89.3663, 84.7665**, and **22.3361, 23.7854, 20.8666** is the 20% darker color. If you saturate the color by 10%, you get **44.1178, 47.2849, 36.4650**, and if you desaturate by 10%, it is **49.3833, 51.9823, 56.2042**.

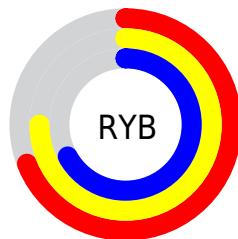
Distribution



Red (75%)

Green (73%)

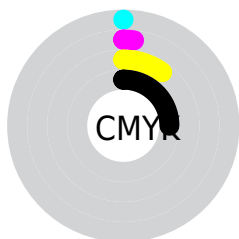
Blue (67%)



Red (69%)

Yellow (75%)

Blue (67%)

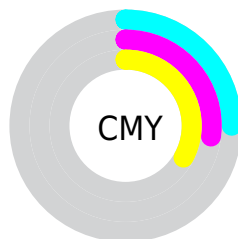


Cyan (0%)

Magenta (2%)

Yellow (10%)

Black (25%)



Cyan (25%)

Magenta (27%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6069, 49.5573, 45.6371 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 46.6069, 49.5573, 45.6371 by changing the saturation by 10% instead.

■ 46.6069, 49.5573,
45.6371

■ 46.6069, 49.5573,
45.6371

363.9184,
384.9322, 385.5828

■ 32.9316, 35.0618,
31.6129

■ 84.3489, 89.5186,
85.0042

■ 22.2331, 23.7105,
20.8037

109.1463,
115.7532, 111.1842

■ 14.1458, 15.1190,
12.7907

138.3818,
146.6695, 142.2532

■ 8.3045, 8.9029,
7.1556

172.4208,
182.6521, 178.6298

■ 4.3439, 4.6779,
3.4797

211.6286,
224.0852, 220.7326

■ 1.8985, 2.0596,
1.3445

256.3706,

■ 0.5759, 0.6417,

271.3534, 268.9800

0.0978

307.0120,
324.8409, 323.7905

■ 0.0000, 0.0000,
0.0000

■ 46.6069, 49.5573,
45.6371

■ 46.6069, 49.5573,
45.6371

■ 44.1178, 47.2849,
36.4650

■ 49.3833, 51.9823,
56.2042

■ 41.9007, 45.1538,
28.6255

■ 52.4538, 54.5580,
68.2187

■ 39.9446, 43.1611,
22.0561

■ 55.8297, 57.2909,
81.7342

■ 38.2364, 41.3011,
16.6882

■ 59.5209, 60.1850,
96.8009

■ 36.7616, 39.5678,
12.4467

■ 61.6285, 62.4812,
103.4197

■ 35.5041, 37.9546,
9.2477

■ 62.5590, 64.3423,
103.7298

■ 34.4457, 36.4538,
6.9959

■ 63.5120, 66.2483,
104.0475

■ 33.5648, 35.0566,
5.5784

■ 64.4877, 68.1996,
104.3727

■ 32.8504, 33.8051,
4.7936

■ 65.4861, 70.1964,
104.7055

Harmonies

Analogous

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



48.2153, 49.5573, 46.0545



46.6069, 49.5573, 45.6371



45.1642, 49.5573, 47.3486

Triad

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



46.6069, 49.5573, 45.6371



44.7340, 49.5573, 59.7872



50.0701, 49.5573, 57.1831

Complementary

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



46.6069, 49.5573, 45.6371



41.5285, 43.0787, 55.4170

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.



49.0959, 49.5573, 61.1587



46.6069, 49.5573, 45.6371



46.0074, 49.5573, 62.7209

Square

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



46.6069, 49.5573, 45.6371



44.0993, 49.5573, 55.3971



47.6021, 49.5573, 63.2367



50.2395, 49.5573, 52.5470

Rectangle

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



46.6069, 49.5573, 45.6371



44.4816, 49.5573, 49.5275



47.6021, 49.5573, 63.2367



49.8248, 49.5573, 58.6483

Sweetspot

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



46.6083, 49.5595, 45.6382



87.1144, 91.9557, 95.5410



43.7873, 43.2980, 46.6076



19.0390, 20.1142, 20.6330



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.



46.6083, 49.5595, 45.6382



82.2051, 87.6202, 77.0008



45.9897, 50.5168, 45.8555



10.1559, 10.7878, 10.1236



21.6463, 22.3314, 3.1695



0.8898, 0.9586, 0.1381

Inverse Universe

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



41.5285, 43.0787, 55.4170



70.9445, 73.2544, 98.6795



42.0990, 42.2352, 55.2242



9.1668, 9.5259, 12.0277



6.6857, 3.4832, 32.7128



0.3084, 0.2296, 1.2969

Previews

White Background



This preview shows how the XYZ color 46.6069, 49.5573, 45.6371 looks on a white background.

Color Contrast Check

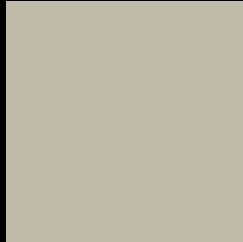
Large Text (above 18pt) WCAG AA × Fail

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 46.6069, 49.5573, 45.6371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

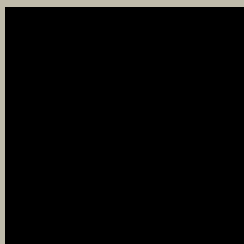
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

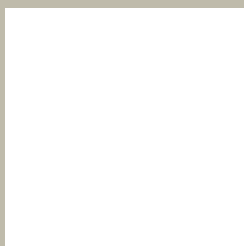
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.6069, 49.5573, 45.6371

Background



This preview shows how black text looks on a background with the XYZ color 46.6069, 49.5573, 45.6371.



This preview shows how white text looks on a background with the XYZ color 46.6069, 49.5573,

45.6371.

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

46.6069, 49.5573, 45.6371

Protanopia

47.1577, 49.5274, 45.6023

Deuteranopia

50.3460, 49.3227, 45.8964



Tritanopia

49.6322, 49.5463, 60.3736

Trichromacy



Original Color

46.6069, 49.5573, 45.6371

Protanomaly

46.9019, 49.3955, 45.5904

Deuteranomaly

49.0085, 49.5420, 46.0093

Tritanomaly

48.4657, 49.3812, 54.5540

Monochromacy



Original Color

46.6069, 49.5573, 45.6371

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.6384, 49.1454, 50.7440

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6069, 49.5573, 45.6371 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, 187, 171)` looks like.

```
.text, #text, p{  
    color:rgb(191, 187, 171)  
}
```

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, 187, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 187, 171) }
```

Border

The CSS property to change the border of an element to XYZ 46.6069, 49.5573, 45.6371 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, 187, 171) }
```


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

```
.border{ border-color:rgb(191, 187, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 187, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 187, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 187, 171);  
box-shadow:4px 4px 4px 4px rgb(191, 187,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6069, 49.5573, 45.6371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 187, 171) }
```

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

```
.background{ background-color: rgb(191,  
187, 171) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor