

Converting Colors

XYZ(46.6478, 45.7893, 39.6348)

Have a look what the booklet for
XYZ(46.6478, 45.7893, 39.6348)
contains.

XYZ(46.6581, 45.7893, 39.6368)	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(46.6581, 45.7893,
39.6368)**

Conversions

Conversions Part 1

Format	Color
Hex	CDAEA0
RGB	205, 174, 160
RGB Percent	80%, 68%, 63%
CMY	0.1961, 0.3176, 0.3725
CMYK	0.00, 0.15, 0.22, 0.20
HSL	19°, 31%, 72%
HSV	19°, 22%, 80%
XYZ	46.6581, 45.7893, 39.6368
YIQ	181.6730, 22.9700, 2.2180

Conversions

Conversions Part 2

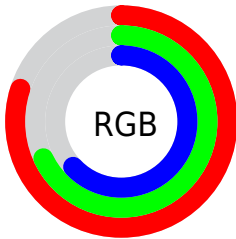
Format	Color
R _Y B	205, 180, 160
Decimal	13479584
CIE Lab	73.41, 9.04, 11.35
CIE LCh	73, 14.511, 51.444
Yxy	45.7893, 0.3532, 0.3467
Android (android.graphics.Color)	4291669664 (0xFFCDAEA0)
YUV	181.6730, -10.6848, 20.4578
Hunter-Lab	67.6678, 4.6602, 12.6380

Details

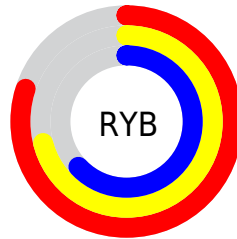
The XYZ color **46.6581, 45.7893, 39.6368** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **44.1472, 49.1419, 64.9166**, and the grayscale version is **44.3341, 46.6429, 50.7942**.

A 20% lighter version of the original color is **81.5251, 82.2049, 75.8603**, and **22.2975, 21.5072, 17.4441** is the 20% darker color. If you saturate the color by 10%, you get **42.4247, 39.9596, 30.0955**, and if you desaturate by 10%, it is **51.4765, 52.3151, 50.8331**.

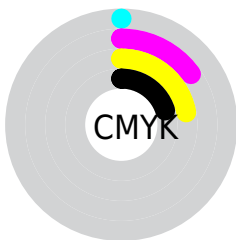
Distribution



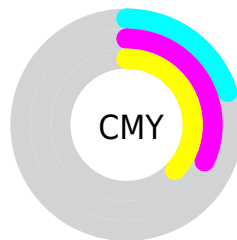
- Red (80%)
- Green (68%)
- Blue (63%)



- Red (80%)
- Yellow (71%)
- Blue (63%)



- Cyan (0%)
- Magenta (15%)
- Yellow (22%)
- Black (20%)




- Cyan (20%)
- Magenta (32%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6581, 45.7893, 39.6368 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 46.6581, 45.7893, 39.6368 by changing the saturation by 10% instead.


 46.6581, 45.7893,
39.6368


 46.6581, 45.7893,
39.6368


364.1199,
369.9609, 360.0968

 32.9723, 32.0796,
26.9438


 84.4249, 83.9036,
75.8412

 22.2643, 21.4223,
17.2990


 109.2366,
109.0769, 100.1896

 14.1689, 13.4330,
10.2837


138.4876,
138.8403, 129.2604

 8.3208, 7.7274,
5.4794

172.5433,
173.5780, 163.4719

 4.3544, 3.9210,
2.4676

211.7690,
213.6746, 203.2428

 1.9045, 1.6295,
0.8229

256.5301,

 0.5795, 0.3774,

259.5143, 248.9915

0.0000

307.1919,
311.4816, 301.1367

■ 0.0000, 0.0000,
0.0000

■ 46.6581, 45.7893,
39.6368

■ 46.6581, 45.7893,
39.6368

■ 42.4247, 39.9596,
30.0955

■ 51.4765, 52.3151,
50.8331

■ 38.7494, 34.7962,
22.1272

■ 56.8981, 59.5530,
63.7553

■ 35.6084, 30.2765,
15.6469

■ 62.9450, 67.5263,
78.4738

■ 32.9746, 26.3741,
10.5607

■ 69.6369, 76.2553,
95.0542

■ 30.8185, 23.0604,
6.7635

■ 75.7609, 85.2669,
107.0729

■ 29.1068, 20.3046,
4.1354

■ 78.9870, 91.7192,
108.1483

■ 27.8014, 18.0722,
2.5331

■ 26.9989, 16.6230,
1.7856

Harmonies

Analogous

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



48.2596, 45.7893, 44.8843



46.6581, 45.7893, 39.6368



44.2569, 45.7893, 37.1893

Triad

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



46.6581, 45.7893, 39.6368



38.8385, 45.7893, 47.7912



45.3436, 45.7893, 64.1440

Complementary

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



46.6581, 45.7893, 39.6368



44.1472, 49.1419, 64.9166

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.



42.7940, 45.7893, 65.1165



46.6581, 45.7893, 39.6368



39.1038, 45.7893, 55.1835

Square

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



46.6581, 45.7893, 39.6368



39.7889, 45.7893, 41.5858



40.5284, 45.7893, 61.6978



47.4803, 45.7893, 59.1576

Rectangle

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



46.6581, 45.7893, 39.6368



42.5532, 45.7893, 37.2907



40.5284, 45.7893, 61.6978



44.5041, 45.7893, 64.9694

Sweetspot

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



46.6593, 45.7914, 39.6378



88.5103, 91.3079, 93.1949



47.2073, 41.9050, 55.1801



18.8293, 19.3892, 19.6723



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.6593, 45.7914, 39.6378



73.2748, 70.6853, 57.7552



51.2624, 54.9976, 41.1721



11.4924, 11.7738, 11.7463



16.8829, 10.4987, 1.1366



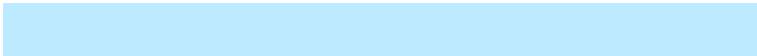
0.9389, 0.6774, 0.0813

Inverse Universe

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



44.1472, 49.1419, 64.9166



68.4895, 77.0557, 105.8712



39.7052, 40.2579, 63.4359



11.2373, 12.1150, 14.3165



12.8964, 14.8169, 38.1365



0.7310, 0.8958, 1.9893

Previews

White Background



This preview shows how the XYZ color 46.6581, 45.7893, 39.6368 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 46.6581, 45.7893, 39.6368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

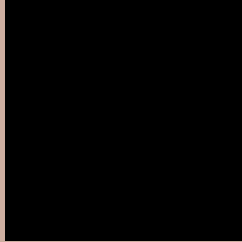
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.6581, 45.7893, 39.6368

Background



This preview shows how black text looks on a background with the XYZ color 46.6581, 45.7893, 39.6368.



This preview shows how white text looks on a background with the XYZ color 46.6581, 45.7893,

39.6368.

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

46.6581, 45.7893, 39.6368

Protanopia

43.6712, 45.9782, 41.2233

Deuteranopia

46.6581, 45.7893, 39.6368



Tritanopia

49.0389, 45.6200, 51.5683

Trichromacy



Original Color

46.6581, 45.7893, 39.6368

Protanomaly

44.6901, 45.9188, 40.6902

Deuteranomaly

46.6581, 45.7893, 39.6368

Tritanomaly

48.0329, 45.4864, 46.8056

Monochromacy



Original Color

46.6581, 45.7893, 39.6368

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.9953, 46.2433, 46.5987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6581, 45.7893, 39.6368 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(205, 174, 160)` looks like.

```
.text, #text, p{  
    color:rgb(205, 174, 160)  
}
```

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(205, 174, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 174, 160) }
```

Border

The CSS property to change the border of an element to XYZ 46.6581, 45.7893, 39.6368 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(205, 174, 160) }
```


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

```
.border{ border-color:rgb(205, 174, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 174, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 174, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 174, 160);  
box-shadow:4px 4px 4px 4px rgb(205, 174,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6581, 45.7893, 39.6368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 174, 160) }
```

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

```
.background{ background-color: rgb(205,  
174, 160) }
```

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