

Converting Colors

XYZ(46.1999, 45.8443, 35.5358)

Have a look what the booklet for
XYZ(46.1999, 45.8443, 35.5358)
contains.

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Color

**XYZ(46.3695, 46.0161,
35.7162)**

Conversions

Conversions Part 1

Format	Color
Hex	CEAF97
RGB	206, 175, 151
RGB Percent	81%, 69%, 59%
CMY	0.1922, 0.3137, 0.4078
CMYK	0.00, 0.15, 0.27, 0.19
HSL	26°, 36%, 70%
HSV	26°, 27%, 81%
XYZ	46.3695, 46.0161, 35.7162
YIQ	181.5330, 26.1800, -0.8920

Conversions

Conversions Part 2

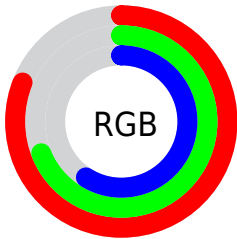
Format	Color
R _Y B	206, 194, 151
Decimal	13545367
CIE Lab	73.56, 7.59, 16.47
CIE LCh	74, 18.141, 65.251
Yxy	46.0161, 0.3620, 0.3592
Android (android.graphics.Color)	4291735447 (0xFFCEAF97)
YUV	181.5330, -15.0528, 21.4576
Hunter-Lab	67.8352, 3.3042, 16.2676

Details

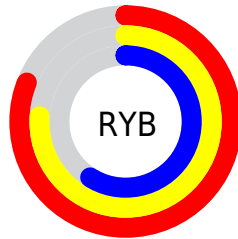
The XYZ color **46.3695, 46.0161, 35.7162** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **40.6307, 44.4903, 64.8388**, and the grayscale version is **44.2798, 46.5858, 50.7319**.

A 20% lighter version of the original color is **80.8354, 82.8196, 69.4829**, and **22.1457, 21.6653, 15.0712** is the 20% darker color. If you saturate the color by 10%, you get **42.6775, 41.0795, 26.9404**, and if you desaturate by 10%, it is **50.5505, 51.4624, 46.0983**.

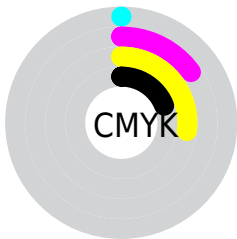
Distribution



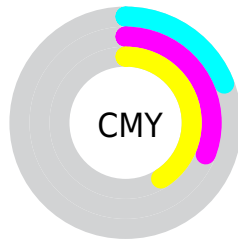
- Red (81%)
- Green (69%)
- Blue (59%)



- Red (81%)
- Yellow (76%)
- Blue (59%)



- Cyan (0%)
- Magenta (15%)
- Yellow (27%)
- Black (19%)





- Cyan (19%)
- Magenta (31%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3695, 46.0161, 35.7162 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 46.3695, 46.0161, 35.7162 by changing the saturation by 10% instead.


 46.3695, 46.0161,
35.7162


 46.3695, 46.0161,
35.7162


362.9833,
370.8734, 342.7182

 32.7434, 32.2585,
23.9271

 83.9962, 84.2431,
69.7579

 22.0882, 21.5590,
15.0679


 108.7275,
109.4813, 92.8476

 14.0387, 13.5333,
8.7199


137.8911,
139.3152, 120.5413

 8.2295, 7.7968,
4.4646

171.8526,
174.1291, 153.2575

 4.2952, 3.9652,
1.8835

210.9772,
214.3075, 191.4148

 1.8704, 1.6541,
0.4822

255.6303,

 0.5596, 0.3937,

260.2348, 235.4316

0.0000

306.1772,
312.2952, 285.7266

■ 0.0000, 0.0000,
0.0000

■ 46.3695, 46.0161,
35.7162

■ 46.3695, 46.0161,
35.7162

■ 42.6775, 41.0795,
26.9404

■ 50.5505, 51.4624,
46.0983

■ 39.4510, 36.6305,
19.6863

■ 55.2358, 57.4272,
58.1596

■ 36.6693, 32.6544,
13.8658

■ 60.4442, 63.9268,
71.9721

■ 34.3090, 29.1334,
9.3806

■ 66.1926, 70.9750,
87.6027

■ 32.3437, 26.0481,
6.1195

■ 72.4970, 78.5851,
105.1147

■ 30.7434, 23.3772,
3.9533

■ 76.0538, 85.4420,
107.0912

■ 29.4705, 21.0959,
2.7139

■ 79.2637, 91.8619,
108.1612

■ 29.1020, 20.4184,
2.4073

Harmonies

Analogous

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



48.9682, 46.0161, 40.5866



46.3695, 46.0161, 35.7162



43.1750, 46.0161, 34.4952

Triad

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



46.3695, 46.0161, 35.7162



37.8794, 46.0161, 51.7375



47.3933, 46.0161, 65.9532

Complementary

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



46.3695, 46.0161, 35.7162



40.6307, 44.4903, 64.8388

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.



44.3037, 46.0161, 69.8271



46.3695, 46.0161, 35.7162



38.8921, 46.0161, 61.0031

Square

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



46.3695, 46.0161, 35.7162



38.3726, 46.0161, 43.0683



41.2059, 46.0161, 67.9136



49.5793, 46.0161, 57.8664

Rectangle

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



46.3695, 46.0161, 35.7162



41.1588, 46.0161, 35.7685



41.2059, 46.0161, 67.9136



46.4205, 46.0161, 67.8335

Sweetspot

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



46.3707, 46.0182, 35.7172



88.3791, 91.6379, 91.3244



44.9814, 38.6399, 49.4343



18.6616, 19.2913, 18.8844



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.



46.3707, 46.0182, 35.7172



71.6253, 69.9001, 49.4554



52.2387, 57.7542, 37.6731



11.6084, 12.0057, 11.7849



18.0129, 12.7588, 1.5133



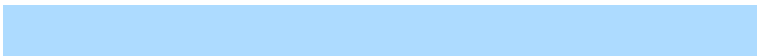
1.0043, 0.8083, 0.1031

Inverse Universe

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



40.6307, 44.4903, 64.8388



60.8047, 67.0149, 104.3382



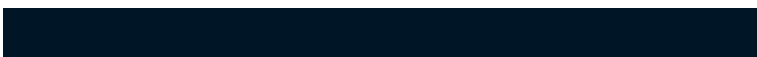
35.5696, 34.3680, 63.1518



11.1175, 11.8754, 14.2766



10.8105, 10.6449, 37.4412



0.6324, 0.6986, 1.9564

Previews

White Background



This preview shows how the XYZ color 46.3695, 46.0161, 35.7162 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 46.3695, 46.0161, 35.7162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

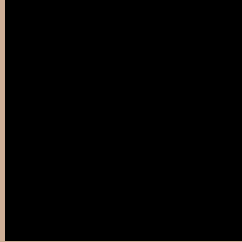
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.3695, 46.0161, 35.7162

Background



This preview shows how black text looks on a background with the XYZ color 46.3695, 46.0161, 35.7162.



This preview shows how white text looks on a background with the XYZ color 46.3695, 46.0161,

35.7162.

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

46.3695, 46.0161, 35.7162

Protanopia

43.3892, 45.9228, 37.1490

Deuteranopia

47.0165, 46.0618, 35.6909



Tritanopia

49.6048, 45.9118, 51.5948

Trichromacy



Original Color

46.3695, 46.0161, 35.7162

Protanomaly

44.4351, 45.8765, 36.6501

Deuteranomaly

46.7344, 45.9164, 35.6777

Tritanomaly

48.4934, 46.0389, 45.3602

Monochromacy



Original Color

46.3695, 46.0161, 35.7162

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.9566, 46.2568, 45.0871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3695, 46.0161, 35.7162 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(206, 175, 151)` looks like.

```
.text, #text, p{  
    color:rgb(206, 175, 151)  
}
```

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(206, 175, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 175, 151) }
```

Border

The CSS property to change the border of an element to XYZ 46.3695, 46.0161, 35.7162 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(206, 175, 151) }
```


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

```
.border{ border-color:rgb(206, 175, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 175, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 175, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 175, 151);  
box-shadow:4px 4px 4px 4px rgb(206, 175,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3695, 46.0161, 35.7162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 175, 151) }
```

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

```
.background{ background-color: rgb(206,  
175, 151) }
```

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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