

Converting Colors

XYZ(46.6217, 46.9486, 36.5395)

Have a look what the booklet for
XYZ(46.6217, 46.9486, 36.5395)
contains.

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Color

**XYZ(46.5720, 46.9781,
36.7501)**

Conversions

Conversions Part 1

Format	Color
Hex	CCB299
RGB	204, 178, 153
RGB Percent	80%, 70%, 60%
CMY	0.2000, 0.3019, 0.4000
CMYK	0.00, 0.13, 0.25, 0.20
HSL	29°, 33%, 70%
HSV	29°, 25%, 80%
XYZ	46.5720, 46.9781, 36.7501
YIQ	182.9240, 23.5210, -2.2630

Conversions

Conversions Part 2

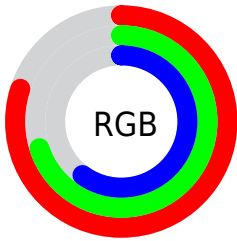
Format	Color
R _Y B	204, 202, 153
Decimal	13415065
CIE Lab	74.18, 5.50, 16.23
CIE LCh	74, 17.130, 71.289
Yxy	46.9781, 0.3574, 0.3605
Android (android.graphics.Color)	4291605145 (0xFFCCB299)
YUV	182.9240, -14.7525, 18.4837
Hunter-Lab	68.5406, 1.3413, 16.1883

Details

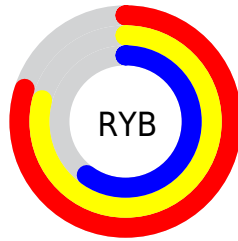
The XYZ color **46.5720, 46.9781, 36.7501** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **40.1557, 43.3709, 63.3819**, and the grayscale version is **45.0384, 47.3839, 51.6011**.

A 20% lighter version of the original color is **81.9253, 84.6106, 71.0450**, and **22.1263, 22.0161, 15.6537** is the 20% darker color. If you saturate the color by 10%, you get **43.0382, 42.3802, 27.9581**, and if you desaturate by 10%, it is **50.5532, 52.0092, 47.1135**.

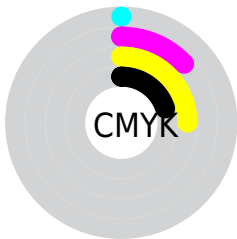
Distribution



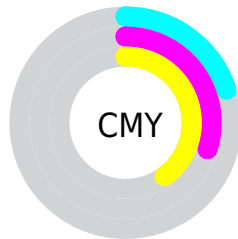
- Red (80%)
- Green (70%)
- Blue (60%)



- Red (80%)
- Yellow (79%)
- Blue (60%)



- Cyan (0%)
- Magenta (13%)
- Yellow (25%)
- Black (20%)





- Cyan (20%)
- Magenta (30%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.5720, 46.9781, 36.7501 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 46.5720, 46.9781, 36.7501 by changing the saturation by 10% instead.


 46.5720, 46.9781,
36.7501

 46.5720, 46.9781,
36.7501


363.7810,
374.7271, 347.3634

 32.9040, 33.0183,
24.7198

 84.2970, 85.6809,
71.3703

 22.2118, 22.1405,
15.6513


 109.0847,
111.1928, 94.7973

 14.1301, 13.9602,
9.1261


138.3097,
141.3242, 122.8602

 8.2935, 8.0930,
4.7256

172.3373,
176.4594, 155.9777

 4.3367, 4.1545,
2.0313

211.5329,
216.9829, 194.5682

 1.8943, 1.7604,
0.5744

256.2618,

 0.5735, 0.4623,

263.2791, 239.0503

0.0000

306.8894,
315.7324, 289.8425

■ 0.0000, 0.0000,
0.0000

■ 46.5720, 46.9781,
36.7501

■ 46.5720, 46.9781,
36.7501

■ 43.0382, 42.3802,
27.9581

■ 50.5532, 52.0092,
47.1135

■ 39.9301, 38.1964,
20.6562

■ 54.9951, 57.4792,
59.1182

■ 37.2293, 34.4152,
14.7604

■ 59.9149, 63.4019,
72.8334

■ 34.9145, 31.0221,
10.1767

■ 65.3277, 69.7884,
88.3232

■ 32.9621, 28.0017,
6.7997

■ 71.2478, 76.6491,
105.6473

■ 31.3452, 25.3366,
4.5073

■ 74.2284, 82.6103,
106.6409

■ 30.0315, 23.0072,
3.1509

■ 77.3845, 88.9226,
107.6929

■ 29.4608, 21.9551,
2.6850

■ 78.7119, 91.5774,
108.1354

Harmonies

Analogous

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



49.2357, 46.9781, 40.7859



46.5720, 46.9781, 36.7501



43.5055, 46.9781, 36.2976

Triad

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



46.5720, 46.9781, 36.7501



39.1084, 46.9781, 54.5330



48.6613, 46.9781, 64.9361

Complementary

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



46.5720, 46.9781, 36.7501



40.1557, 43.3709, 63.3819

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.



45.8170, 46.9781, 69.5877



46.5720, 46.9781, 36.7501



40.3606, 46.9781, 63.1387

Square

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



46.5720, 46.9781, 36.7501



39.2898, 46.9781, 45.9168



42.7841, 46.9781, 68.8946



50.4796, 46.9781, 56.7689

Rectangle

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



46.5720, 46.9781, 36.7501



41.6548, 46.9781, 38.0203



42.7841, 46.9781, 68.8946



47.7881, 46.9781, 67.0028

Sweetspot

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



46.5732, 46.9802, 36.7511



89.4738, 93.2348, 93.5161



44.4656, 38.8893, 47.9969



19.0522, 19.8350, 19.7466



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.



46.5732, 46.9802, 36.7511



73.8837, 73.6096, 52.6971



52.0432, 57.9202, 38.5744



11.6588, 12.1066, 11.8018



18.6356, 14.0042, 1.7209



1.0373, 0.8743, 0.1141

Inverse Universe

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



40.1557, 43.3709, 63.3819



61.4653, 66.6247, 104.2280



35.5674, 34.1943, 61.8524



11.0666, 11.7736, 14.2596



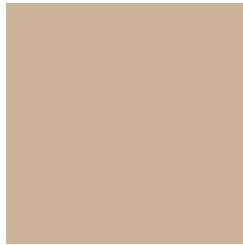
10.0682, 9.1603, 37.1937



0.5953, 0.6243, 1.9441

Previews

White Background



This preview shows how the XYZ color 46.5720, 46.9781, 36.7501 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 46.5720, 46.9781, 36.7501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

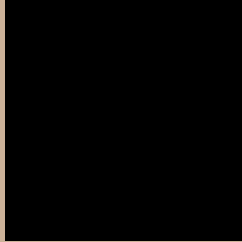
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.5720, 46.9781, 36.7501

Background



This preview shows how black text looks on a background with the XYZ color 46.5720, 46.9781, 36.7501.



This preview shows how white text looks on a background with the XYZ color 46.5720, 46.9781,

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

46.5720, 46.9781, 36.7501

Protanopia

44.3826, 47.0289, 37.7486

Deuteranopia

47.8534, 47.0522, 36.6968



Tritanopia

49.9256, 46.8849, 53.4320

Trichromacy



Original Color

46.5720, 46.9781, 36.7501

Protanomaly

45.1216, 47.1166, 37.2881

Deuteranomaly

47.4843, 47.1541, 36.7359

Tritanomaly

48.8000, 47.0205, 47.0613

Monochromacy



Original Color

46.5720, 46.9781, 36.7501

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.4561, 47.1027, 45.7257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5720, 46.9781, 36.7501 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(204, 178, 153) looks like.

```
.text, #text, p{  
    color:rgb(204, 178, 153)  
}
```

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(204, 178, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 178, 153) }
```

Border

The CSS property to change the border of an element to XYZ 46.5720, 46.9781, 36.7501 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(204, 178, 153) }
```


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

```
.border{ border-color:rgb(204, 178, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 178, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 178, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 178, 153);  
box-shadow:4px 4px 4px 4px rgb(204, 178,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5720, 46.9781, 36.7501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 178, 153) }
```

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

```
.background{ background-color: rgb(204,  
178, 153) }
```

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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