

Converting Colors

XYZ(46.7213, 47.3751, 37.8250)

Have a look what the booklet for
XYZ(46.7213, 47.3751, 37.8250)
contains.

XYZ(46.6651, 47.3033, 37.6813)	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(46.6651, 47.3033,
37.6813)**

Conversions

Conversions Part 1

Format	Color
Hex	CBB39B
RGB	203, 179, 155
RGB Percent	80%, 70%, 61%
CMY	0.2039, 0.2980, 0.3922
CMYK	0.00, 0.12, 0.24, 0.20
HSL	30°, 32%, 70%
HSV	30°, 24%, 80%
XYZ	46.6651, 47.3033, 37.6813
YIQ	183.4400, 22.0080, -2.3760

Conversions

Conversions Part 2

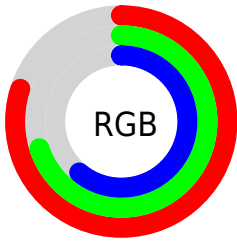
Format	Color
R _Y B	203, 203, 155
Decimal	13349787
CIE Lab	74.38, 4.86, 15.42
CIE LCh	74, 16.165, 72.493
Yxy	47.3033, 0.3545, 0.3593
Android (android.graphics.Color)	4291539867 (0xFFCBB39B)
YUV	183.4400, -14.0209, 17.1541
Hunter-Lab	68.7774, 0.7509, 15.6608

Details

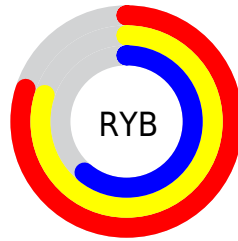
The XYZ color **46.6651, 47.3033, 37.6813** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **40.4168, 43.5194, 62.7700**, and the grayscale version is **45.3186, 47.6787, 51.9221**.

A 20% lighter version of the original color is **82.4570, 85.2801, 72.4364**, and **22.1723, 22.2171, 16.2164** is the 20% darker color. If you saturate the color by 10%, you get **43.1422, 42.7602, 28.7913**, and if you desaturate by 10%, it is **50.6268, 52.2648, 48.1327**.

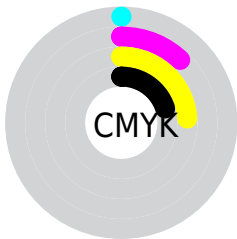
Distribution



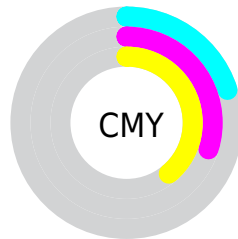
- Red (80%)
- Green (70%)
- Blue (61%)



- Red (80%)
- Yellow (80%)
- Blue (61%)



- Cyan (0%)
- Magenta (12%)
- Yellow (24%)
- Black (20%)





- Cyan (20%)
- Magenta (30%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6651, 47.3033, 37.6813 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 46.6651, 47.3033, 37.6813 by changing the saturation by 10% instead.


 46.6651, 47.3033,
37.6813


 46.6651, 47.3033,
37.6813


364.1474,
376.0239, 351.5080

 32.9778, 33.2755,
25.4355


 84.4353, 86.1662,
72.8174

 22.2686, 22.3376,
16.1799


 109.2489,
111.7700, 96.5448

 14.1721, 14.1052,
9.4958


138.5020,
142.0014, 124.9364

 8.3230, 8.1938,
4.9647

172.5600,
177.2446, 158.4109

 4.3558, 4.2192,
2.1682

211.7882,
217.8840, 197.3868

 1.9053, 1.7969,
0.6559

256.5519,

 0.5799, 0.4853,

264.3041, 242.2826

0.0000

307.2165,
316.8893, 293.5168

■ 0.0000, 0.0000,
0.0000

■ 46.6651, 47.3033,
37.6813

■ 46.6651, 47.3033,
37.6813

■ 43.1422, 42.7602,
28.7913

■ 50.6268, 52.2648,
48.1327

■ 40.0370, 38.6169,
21.3833

■ 55.0401, 57.6497,
60.2137

■ 37.3317, 34.8626,
15.3751

■ 59.9216, 63.4713,
73.9920

■ 35.0058, 31.4838,
10.6755

■ 65.2862, 69.7401,
89.5308

■ 33.0366, 28.4656,
7.1821

■ 70.9049, 76.3690,
105.6113

■ 31.3981, 25.7917,
4.7771

■ 73.8077, 82.1746,
106.5789

■ 30.0599, 23.4437,
3.3182

■ 76.8775, 88.3143,
107.6022

■ 29.3329, 22.1049,
2.7207

■ 78.4387, 91.4366,
108.1226

Harmonies

Analogous

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



49.2148, 47.3033, 41.4188



46.6651, 47.3033, 37.6813



43.7605, 47.3033, 37.3874

Triad

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



46.6651, 47.3033, 37.6813



39.7145, 47.3033, 55.0510



48.8480, 47.3033, 64.2513

Complementary

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



46.6651, 47.3033, 37.6813



40.4168, 43.5194, 62.7700

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.



46.1820, 47.3033, 68.7930



46.6651, 47.3033, 37.6813



40.9585, 47.3033, 63.1092

Square

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



46.6651, 47.3033, 37.6813



39.8312, 47.3033, 46.8324



43.2977, 47.3033, 68.3538



50.5119, 47.3033, 56.4791

Rectangle

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



46.6651, 47.3033, 37.6813



42.0203, 47.3033, 39.1341



43.2977, 47.3033, 68.3538



48.0345, 47.3033, 66.2423

Sweetspot

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



46.6664, 47.3054, 37.6823



89.5271, 93.3413, 93.5338



44.4871, 39.3945, 47.9075



19.0645, 19.8597, 19.7507



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.



46.6664, 47.3054, 37.6823



75.2614, 75.5270, 55.7393



51.9012, 57.7752, 39.4272



11.6681, 12.1251, 11.8048



18.7584, 14.2497, 1.7618



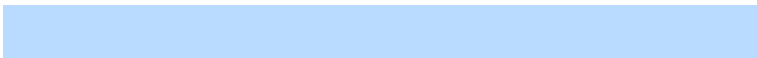
1.0436, 0.8869, 0.1162

Inverse Universe

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



40.4168, 43.5194, 62.7700



63.1297, 68.1774, 104.4400



36.0190, 34.7237, 61.3041



11.0573, 11.7551, 14.2565



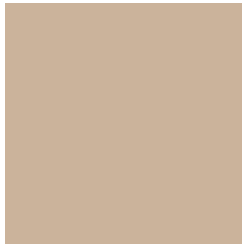
9.9426, 8.9092, 37.1519



0.5888, 0.6114, 1.9419

Previews

White Background



This preview shows how the XYZ color 46.6651, 47.3033, 37.6813 looks on a white background.

Color Contrast Check

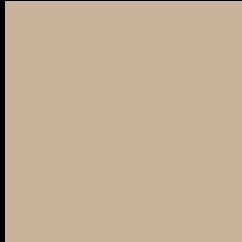
Large Text (above 18pt) WCAG AA × Fail

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 46.6651, 47.3033, 37.6813 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 46.6651, 47.3033, 37.6813

Background



This preview shows how black text looks on a background with the XYZ color 46.6651, 47.3033, 37.6813.

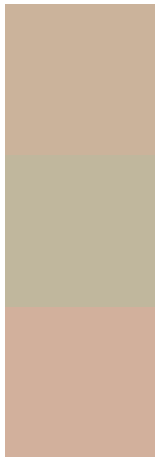


This preview shows how white text looks on a background with the XYZ color 46.6651, 47.3033,

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

46.6651, 47.3033, 37.6813

Protanopia

44.7575, 47.5078, 38.7092

Deuteranopia

48.1044, 47.1526, 38.0185



Tritanopia

49.9453, 47.1683, 54.0490

Trichromacy



Original Color

46.6651, 47.3033, 37.6813

Protanomaly

45.4936, 47.5920, 38.2409

Deuteranomaly

47.4550, 47.1100, 38.0445

Tritanomaly

48.8154, 47.3071, 47.6326

Monochromacy



Original Color

46.6651, 47.3033, 37.6813

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.5060, 47.4202, 46.2897

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6651, 47.3033, 37.6813 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(203, 179, 155)` looks like.

```
.text, #text, p{  
    color:rgb(203, 179, 155)  
}
```

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(203, 179, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 179, 155) }
```

Border

The CSS property to change the border of an element to XYZ 46.6651, 47.3033, 37.6813 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(203, 179, 155) }
```


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

```
.border{ border-color:rgb(203, 179, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 179, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(203, 179, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(203, 179, 155); box-shadow:4px 4px 4px 4px rgb(203, 179, 155) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6651, 47.3033, 37.6813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 179, 155) }
```

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

```
.background{ background-color: rgb(203,  
179, 155) }
```

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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