

Converting Colors

XYZ(46.6270, 47.3936, 37.3150)

Have a look what the booklet for
XYZ(46.6270, 47.3936, 37.3150)
contains.

| | |
|--|----|
| XYZ(46.5814, 47.2698, 37.2407) | 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(46.5814, 47.2698,
37.2407)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | CBB39A |
| RGB | 203, 179, 154 |
| RGB Percent | 80%, 70%, 60% |
| CMY | 0.2039, 0.2980, 0.3961 |
| CMYK | 0.00, 0.12, 0.24, 0.20 |
| HSL | 31°, 32%, 70% |
| HSV | 31°, 24%, 80% |
| XYZ | 46.5814, 47.2698, 37.2407 |
| YIQ | 183.3260, 22.3290, -2.6870 |

Conversions

Conversions Part 2

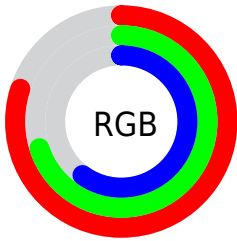
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 201, 203, 154 |
| Decimal | 13349786 |
| CIELab | 74.36, 4.72, 15.93 |
| CIELCh | 74, 16.614, 73.499 |
| Yxy | 47.2698, 0.3553, 0.3606 |
| Android (android.graphics.Color) | 4291539866 (0xFFCBB39A) |
| YUV | 183.3260, -14.4577, 17.2541 |
| Hunter-Lab | 68.7530, 0.6191, 16.0122 |

Details

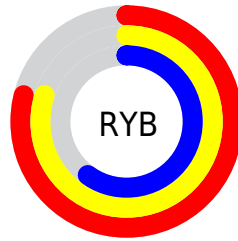
The XYZ color **46.5814, 47.2698, 37.2407** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.0259, 43.0214, 62.6944**, and the grayscale version is **45.2581, 47.6150, 51.8528**.

A 20% lighter version of the original color is **82.3335, 85.2307, 71.7862**, and **22.1218, 22.1969, 15.9504** is the 20% darker color. If you saturate the color by 10%, you get **43.1108, 42.8092, 28.4360**, and if you desaturate by 10%, it is **50.4841, 52.1364, 47.6012**.

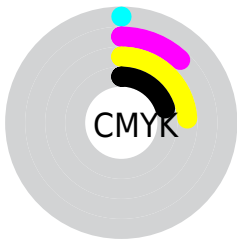
Distribution



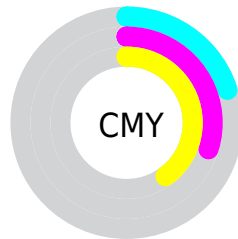
- Red (80%)
- Green (70%)
- Blue (60%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.5814, 47.2698, 37.2407 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 46.5814, 47.2698, 37.2407 by changing the saturation by 10% instead.


 46.5814, 47.2698,
37.2407


 46.5814, 47.2698,
37.2407


363.8180,
375.8904, 349.5515

 32.9114, 33.2490,
25.0967


 84.3110, 86.1162,
72.1333

 22.2175, 22.3173,
15.9294


 109.1013,
111.7106, 95.7189

 14.1343, 14.0902,
9.3204


138.3291,
141.9316, 123.9555

 8.2965, 8.1834,
4.8511

172.3598,
177.1637, 157.2616

 4.3386, 4.2125,
2.1030

211.5587,
217.7913, 196.0556

 1.8954, 1.7932,
0.6175

256.2911,

 0.5742, 0.4829,

264.1986, 240.7563

0.0000

306.9224,
316.7702, 291.7821

■ 0.0000, 0.0000,
0.0000

■ 46.5814, 47.2698,
37.2407

■ 46.5814, 47.2698,
37.2407

■ 43.1108, 42.8092,
28.4360

■ 50.4841, 52.1364,
47.6012

■ 40.0513, 38.7365,
21.1075

■ 54.8315, 57.4137,
59.5858

■ 37.3852, 35.0412,
15.1727

■ 59.6401, 63.1145,
73.2626

■ 35.0922, 31.7100,
10.5399

■ 64.9246, 69.2492,
88.6945

■ 33.1497, 28.7286,
7.1063

■ 70.6179, 75.7951,
105.5157

■ 31.5317, 26.0811,
4.7531

■ 73.4433, 81.4457,
106.4575

■ 30.2077, 23.7494,
3.3366

■ 76.4286, 87.4163,
107.4526

■ 29.5378, 22.5147,
2.7890

■ 78.4387, 91.4365,
108.1226

Harmonies

Analogous

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



49.2293, 47.2698, 40.9466



46.5814, 47.2698, 37.2407



43.5998, 47.2698, 37.0610

Triad

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



46.5814, 47.2698, 37.2407



39.5668, 47.2698, 55.4086



49.0033, 47.2698, 64.3603

Complementary

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



46.5814, 47.2698, 37.2407



40.0259, 43.0214, 62.6944

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.



46.2839, 47.2698, 69.1968



46.5814, 47.2698, 37.2407



40.8858, 47.2698, 63.6548

Square

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



46.5814, 47.2698, 37.2407



39.6385, 47.2698, 46.9322



43.3152, 47.2698, 68.9252



50.6695, 47.2698, 56.2887

Rectangle

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



46.5814, 47.2698, 37.2407



41.8295, 47.2698, 38.9231



43.3152, 47.2698, 68.9252



48.1769, 47.2698, 66.4564

Sweetspot

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



46.5826, 47.2719, 37.2417



89.5825, 93.4522, 93.5523



44.2708, 39.0427, 47.5863



19.0773, 19.8853, 19.7550



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.



46.5826, 47.2719, 37.2417



74.8614, 75.1498, 54.3027



51.8175, 57.7417, 38.9866



11.6777, 12.1443, 11.8080



18.8891, 14.5112, 1.8054



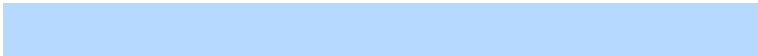
1.0503, 0.9003, 0.1184

Inverse Universe

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



40.0259, 43.0214, 62.6944



61.9987, 66.8116, 104.2360



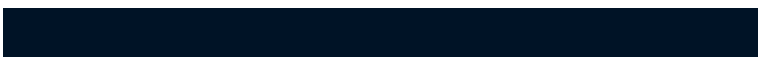
35.6620, 34.2936, 61.2398



11.0477, 11.7359, 14.2533



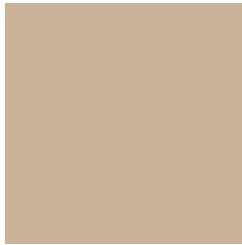
9.8150, 8.6540, 37.1094



0.5823, 0.5983, 1.9397

Previews

White Background



This preview shows how the XYZ color 46.5814, 47.2698, 37.2407 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 46.5814, 47.2698, 37.2407 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 46.5814, 47.2698, 37.2407

Background



This preview shows how black text looks on a background with the XYZ color 46.5814, 47.2698, 37.2407.



This preview shows how white text looks on a background with the XYZ color 46.5814, 47.2698,

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

46.5814, 47.2698, 37.2407

Protanopia

44.6725, 47.4737, 38.2613

Deuteranopia

48.3057, 47.2661, 37.5876



Tritanopia

49.9453, 47.1683, 54.0490

Trichromacy



Original Color

46.5814, 47.2698, 37.2407

Protanomaly

45.4093, 47.5582, 37.7967

Deuteranomaly

47.6510, 47.2207, 37.6134

Tritanomaly

48.8154, 47.3071, 47.6326

Monochromacy



Original Color

46.5814, 47.2698, 37.2407

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.4095, 47.3816, 45.7819

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5814, 47.2698, 37.2407 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, 154)` looks like.

```
.text, #text, p{  
    color:rgb(203, 179, 154)  
}
```

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, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 179, 154) }
```

Border

The CSS property to change the border of an element to XYZ 46.5814, 47.2698, 37.2407 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, 154) }
```


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

```
.border{ border-color:rgb(203, 179, 154) }
```

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, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 179, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 179, 154);  
box-shadow:4px 4px 4px 4px rgb(203, 179,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5814, 47.2698, 37.2407 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, 154) }
```

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

```
.background{ background-color: rgb(203,  
179, 154) }
```

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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