

Converting Colors

XYZ(47.7810, 48.5655, 37.9932)

Have a look what the booklet for
XYZ(47.7810, 48.5655, 37.9932)
contains.

XYZ(47.6171, 48.3934, 37.8415)	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(47.6171, 48.3934,
37.8415)**

Conversions

Conversions Part 1

Format	Color
Hex	CDB59B
RGB	205, 181, 155
RGB Percent	80%, 71%, 61%
CMY	0.1961, 0.2902, 0.3922
CMYK	0.00, 0.12, 0.24, 0.20
HSL	31°, 33%, 71%
HSV	31°, 24%, 80%
XYZ	47.6171, 48.3934, 37.8415
YIQ	185.2120, 22.6500, -2.9980

Conversions

Conversions Part 2

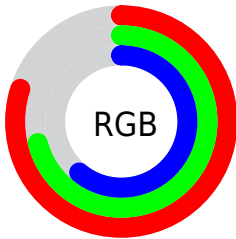
Format	Color
R_{YB}	201, 205, 155
Decimal	13481371
CIE _{Lab}	75.07, 4.56, 16.41
CIE _{LCh}	75, 17.027, 74.476
Yxy	48.3934, 0.3557, 0.3615
Android (android.graphics.Color)	4291671451 (0xFFCDB59B)
YUV	185.2120, -14.8945, 17.3541
Hunter-Lab	69.5654, 0.4429, 16.4437

Details

The XYZ color **47.6171, 48.3934, 37.8415** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.6568, 43.6155, 64.0337**, and the grayscale version is **46.3046, 48.7161, 53.0518**.

A 20% lighter version of the original color is **83.0328, 86.4318, 72.6283**, and **22.7955, 22.9218, 16.3196** is the 20% darker color. If you saturate the color by 10%, you get **44.1095, 43.9033, 28.8874**, and if you desaturate by 10%, it is **51.5609, 53.2874, 48.3841**.

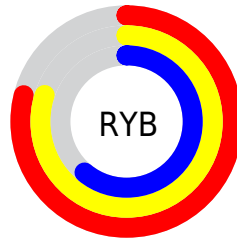
Distribution



Red (80%)

Green (71%)

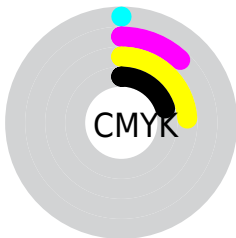
Blue (61%)



Red (79%)

Yellow (80%)

Blue (61%)

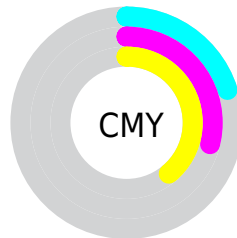


Cyan (0%)

Magenta (12%)

Yellow (24%)

Black (20%)



Cyan (20%)


Magenta (29%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6171, 48.3934, 37.8415 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 47.6171, 48.3934, 37.8415 by changing the saturation by 10% instead.


 47.6171, 48.3934,
37.8415


 47.6171, 48.3934,
37.8415


367.8803,
380.3494, 352.2173

 33.7338, 34.1385,
25.5588


 85.8472, 87.7898,
73.0659

 22.8511, 23.0000,
16.2711


 110.9246,
113.7002, 96.8446

 14.6037, 14.5935,
9.5598


140.4641,
144.2645, 125.2925

 8.6262, 8.5346,
5.0063

174.8311,
179.8672, 158.8280

 4.5533, 4.4389,
2.1921

214.3908,
220.8927, 197.8697

 2.0197, 1.9220,
0.6698

259.5087,

 0.6450, 0.5615,

267.7252, 242.8361

0.0000

310.5501,
320.7493, 294.1458

■ 0.0000, 0.0000,
0.0000

■ 47.6171, 48.3934,
37.8415

■ 47.6171, 48.3934,
37.8415

■ 44.1095, 43.9033,
28.8874

■ 51.5609, 53.2874,
48.3841

■ 41.0166, 39.7988,
21.4401

■ 55.9535, 58.5898,
60.5854

■ 38.3207, 36.0697,
15.4152

■ 60.8118, 64.3135,
74.5149

■ 36.0009, 32.7028,
10.7184

■ 66.1506, 70.4685,
90.2373

■ 34.0341, 29.6836,
7.2440

■ 71.5786, 76.9024,
105.6788

■ 32.3941, 26.9964,
4.8701

■ 74.3974, 82.5401,
106.6184

■ 31.0496, 24.6230,
3.4483

■ 77.3733, 88.4918,
107.6104

■ 30.3948, 23.4149,
2.9175

■ 78.9870, 91.7192,
108.1483

Harmonies

Analogous

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



50.4009, 48.3934, 41.5719



47.6171, 48.3934, 37.8415



44.5165, 48.3934, 37.7764

Triad

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



47.6171, 48.3934, 37.8415



40.4411, 48.3934, 57.0943



50.3186, 48.3934, 65.8944

Complementary

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



47.6171, 48.3934, 37.8415



40.6568, 43.6155, 64.0337

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.



47.5089, 48.3934, 71.0933



47.6171, 48.3934, 37.8415



41.8565, 48.3934, 65.6372

Square

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



47.6171, 48.3934, 37.8415



40.4671, 48.3934, 48.2362



44.4130, 48.3934, 70.9942



52.0078, 48.3934, 57.4145

Rectangle

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



47.6171, 48.3934, 37.8415



42.6909, 48.3934, 39.7868



44.4130, 48.3934, 70.9942



49.4684, 48.3934, 68.1240

Sweetspot

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



47.6184, 48.3956, 37.8425



89.6358, 93.5587, 93.5700



45.0522, 39.6838, 48.0220



19.0896, 19.9100, 19.7591



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.



47.6184, 48.3956, 37.8425



75.0504, 75.5278, 54.3657



52.6956, 58.8905, 39.6006



11.6869, 12.1628, 11.8111



19.0176, 14.7681, 1.8482



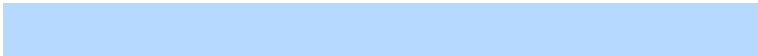
1.0569, 0.9134, 0.1206

Inverse Universe

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



40.6568, 43.6155, 64.0337



61.8122, 66.4387, 104.1738



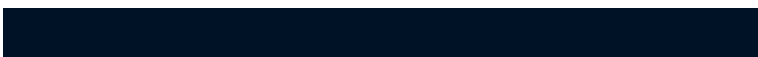
36.4194, 34.9024, 62.5752



11.0385, 11.7175, 14.2503



9.6956, 8.4151, 37.0695



0.5760, 0.5858, 1.9377

Previews

White Background



This preview shows how the XYZ color 47.6171, 48.3934, 37.8415 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 47.6171, 48.3934, 37.8415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

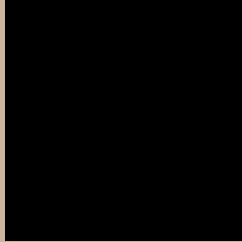
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.6171, 48.3934, 37.8415

Background



This preview shows how black text looks on a background with the XYZ color 47.6171, 48.3934, 37.8415.



This preview shows how white text looks on a background with the XYZ color 47.6171, 48.3934,

37.8415.

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

47.6171, 48.3934, 37.8415

Protanopia

45.7320, 48.3174, 38.8141

Deuteranopia

49.3617, 48.3872, 38.1905



Tritanopia

51.1141, 48.3237, 55.3486

Trichromacy



Original Color

47.6171, 48.3934, 37.8415

Protanomaly

46.4874, 48.4094, 38.3463

Deuteranomaly

48.6992, 48.3421, 38.2167

Tritanomaly

49.8686, 48.4250, 48.3136

Monochromacy



Original Color

47.6171, 48.3934, 37.8415

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.5187, 48.5434, 46.9624

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6171, 48.3934, 37.8415 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, 181, 155)` looks like.

```
.text, #text, p{  
    color:rgb(205, 181, 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(205, 181, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 181, 155) }
```

Border

The CSS property to change the border of an element to XYZ 47.6171, 48.3934, 37.8415 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, 181, 155) }
```


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

```
.border{ border-color:rgb(205, 181, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 181, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 181, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 181, 155);  
box-shadow:4px 4px 4px 4px rgb(205, 181,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6171, 48.3934, 37.8415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 181, 155) }
```

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

```
.background{ background-color: rgb(205,  
181, 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](#).

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