

Converting Colors

XYZ(47.7705, 46.8891, 42.1300)

Have a look what the booklet for
XYZ(47.7705, 46.8891, 42.1300)
contains.

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Color

**XYZ(47.7705, 46.8891,
42.1300)**

Conversions

Conversions Part 1

Format	Color
Hex	CEB0A5
RGB	206, 176, 165
RGB Percent	81%, 69%, 65%
CMY	0.1922, 0.3098, 0.3529
CMYK	0.00, 0.15, 0.20, 0.19
HSL	16°, 29%, 73%
HSV	16°, 20%, 81%
XYZ	47.7705, 46.8891, 42.1300
YIQ	183.7160, 21.4110, 2.9390

Conversions

Conversions Part 2

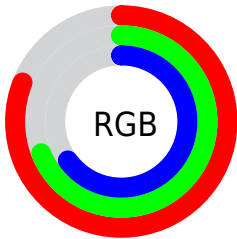
Format	Color
R _Y B	206, 180, 165
Decimal	13545637
CIE Lab	74.12, 9.09, 9.64
CIE LCh	74, 13.251, 46.667
Yxy	46.8891, 0.3492, 0.3428
Android (android.graphics.Color)	4291735717 (0xFFCEB0A5)
YUV	183.7160, -9.2270, 19.5431
Hunter-Lab	68.4756, 4.6943, 11.4544

Details

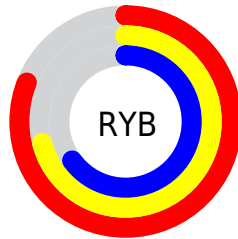
The XYZ color **47.7705, 46.8891, 42.1300** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **46.1724, 51.4846, 65.8969**, and the grayscale version is **45.4454, 47.8120, 52.0673**.

A 20% lighter version of the original color is **83.0149, 84.1405, 79.5755**, and **22.8261, 21.9375, 18.6541** is the 20% darker color. If you saturate the color by 10%, you get **43.2519, 40.6144, 32.1064**, and if you desaturate by 10%, it is **52.9218, 53.9450, 53.8556**.

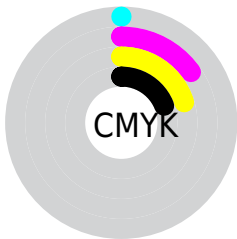
Distribution



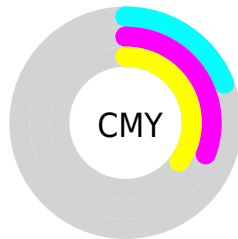
- Red (81%)
- Green (69%)
- Blue (65%)



- Red (81%)
- Yellow (71%)
- Blue (65%)



- Cyan (0%)
- Magenta (15%)
- Yellow (20%)
- Black (19%)



- Cyan (19%)
- Magenta (31%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7705, 46.8891, 42.1300 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 47.7705, 46.8891, 42.1300 by changing the saturation by 10% instead.


 47.7705, 46.8891,
42.1300


 47.7705, 46.8891,
42.1300


368.4795,
374.3717, 370.8371

 33.8557, 32.9480,
28.8768


 86.0744, 85.5481,
79.6686

 22.9451, 22.0866,
18.7428


 111.1941,
111.0347, 104.7909

 14.6735, 13.9206,
11.3097


140.7796,
141.1386, 134.7068

 8.6753, 8.0654,
6.1587

175.1960,
176.2443, 169.8347

 4.5854, 4.1368,
2.8715

214.8089,
216.7360, 210.5931

 2.0384, 1.7504,
1.0294

259.9835,

 0.6554, 0.4560,

262.9982, 257.4006

0.0000

311.0853,
315.4153, 310.6758

■ 0.0000, 0.0000,
0.0000

■ 47.7705, 46.8891,
42.1300

■ 47.7705, 46.8891,
42.1300

■ 43.2519, 40.6144,
32.1064

■ 52.9218, 53.9450,
53.8556

■ 39.3370, 35.0875,
23.7022

■ 58.7257, 61.8016,
67.3546

■ 36.0004, 30.2818,
16.8325

■ 65.2058, 70.4855,
82.6978

■ 33.2129, 26.1666,
11.4032

■ 72.3834, 80.0202,
99.9514

■ 30.9430, 22.7090,
7.3100

■ 78.1140, 89.5622,
107.7779

■ 29.1552, 19.8731,
4.4339

■ 79.2638, 91.8619,
108.1612

■ 27.8093, 17.6193,
2.6350

■ 26.8418, 15.8962,
1.6593

■ 26.8337, 15.8818,
1.6512

Harmonies

Analogous

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



49.0805, 46.8891, 47.3986



47.7705, 46.8891, 42.1300



45.6268, 46.8891, 39.3694

Triad

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



47.7705, 46.8891, 42.1300



40.2742, 46.8891, 48.1008



45.8877, 46.8891, 64.6183

Complementary

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



47.7705, 46.8891, 42.1300



46.1724, 51.4846, 65.8969

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.



43.5231, 46.8891, 64.8488



47.7705, 46.8891, 42.1300



40.3385, 46.8891, 54.8932

Square

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



47.7705, 46.8891, 42.1300



41.3307, 46.8891, 42.6046



41.5094, 46.8891, 61.1574



47.9673, 46.8891, 60.5531

Rectangle

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



47.7705, 46.8891, 42.1300



44.0392, 46.8891, 39.1480



41.5094, 46.8891, 61.1574



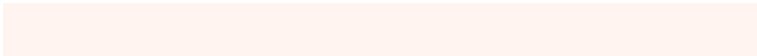
45.0983, 46.8891, 65.1586

Sweetspot

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



47.7718, 46.8912, 42.1310



89.2161, 92.1183, 95.2830



48.7671, 43.9758, 57.5877



18.9651, 19.5398, 20.0912



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.



47.7718, 46.8912, 42.1310



74.0574, 71.3506, 60.7900



52.0835, 55.5146, 43.5682



11.4532, 11.6953, 11.7332



16.5924, 9.9177, 1.0398



0.9200, 0.6397, 0.0750

Inverse Universe

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



46.1724, 51.4846, 65.8969



70.9889, 80.1471, 106.3362



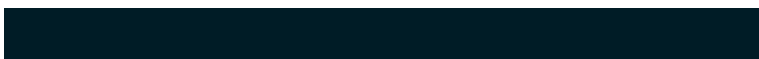
41.9040, 42.9477, 64.4741



11.2787, 12.1978, 14.3303



13.7296, 16.4832, 38.4142



0.7688, 0.9713, 2.0019

Previews

White Background



This preview shows how the XYZ color 47.7705, 46.8891, 42.1300 looks on a white background.

Color Contrast Check

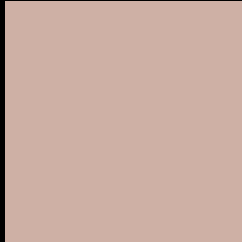
Large Text (above 18pt) WCAG AA × Fail

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 47.7705, 46.8891, 42.1300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

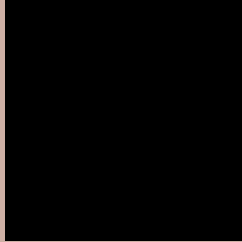
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.7705, 46.8891, 42.1300

Background



This preview shows how black text looks on a background with the XYZ color 47.7705, 46.8891, 42.1300.



This preview shows how white text looks on a background with the XYZ color 47.7705, 46.8891,

42.1300.

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

47.7705, 46.8891, 42.1300

Protanopia

44.7821, 47.1019, 43.7771

Deuteranopia

47.7705, 46.8891, 42.1300



Tritanopia

50.1010, 46.9876, 52.8833

Trichromacy



Original Color

47.7705, 46.8891, 42.1300

Protanomaly

45.8020, 47.0346, 43.2238

Deuteranomaly

47.7705, 46.8891, 42.1300

Tritanomaly

49.1844, 46.8964, 48.5791

Monochromacy



Original Color

47.7705, 46.8891, 42.1300

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.1979, 47.4285, 48.3147

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7705, 46.8891, 42.1300 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, 176, 165)` looks like.

```
.text, #text, p{  
    color:rgb(206, 176, 165)  
}
```

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, 176, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 176, 165) }
```

Border

The CSS property to change the border of an element to XYZ 47.7705, 46.8891, 42.1300 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, 176, 165) }
```


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

```
.border{ border-color:rgb(206, 176, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 176, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 176, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 176, 165);  
box-shadow:4px 4px 4px 4px rgb(206, 176,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7705, 46.8891, 42.1300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 176, 165) }
```

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

```
.background{ background-color: rgb(206,  
176, 165) }
```

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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