

Converting Colors

XYZ(47.0245, 48.3252, 35.5360)

Have a look what the booklet for
XYZ(47.0245, 48.3252, 35.5360)
contains.

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Color

**XYZ(47.1348, 48.4953,
35.7304)**

Conversions

Conversions Part 1

Format	Color
Hex	CCB696
RGB	204, 182, 150
RGB Percent	80%, 71%, 59%
CMY	0.2000, 0.2863, 0.4118
CMYK	0.00, 0.11, 0.26, 0.20
HSL	36°, 35%, 69%
HSV	36°, 26%, 80%
XYZ	47.1348, 48.4953, 35.7304
YIQ	184.9300, 23.3840, -5.2880

Conversions

Conversions Part 2

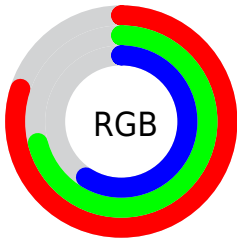
Format	Color
RYB	187, 204, 150
Decimal	13416086
CIELab	75.14, 2.94, 19.18
CIELCh	75, 19.405, 81.296
Yxy	48.4953, 0.3588, 0.3692
Android (android.graphics.Color)	4291606166 (0xFFCCB696)
YUV	184.9300, -17.2205, 16.7244
Hunter-Lab	69.6386, -1.0499, 18.3263

Details

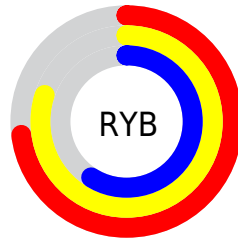
The XYZ color **47.1348, 48.4953, 35.7304** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.2289, 40.3475, 62.8998**, and the grayscale version is **46.1599, 48.5638, 52.8859**.

A 20% lighter version of the original color is **82.7136, 86.7687, 69.5153**, and **22.4968, 22.9909, 15.0564** is the 20% darker color. If you saturate the color by 10%, you get **43.9818, 44.5931, 27.2684**, and if you desaturate by 10%, it is **50.6773, 52.7183, 45.7343**.

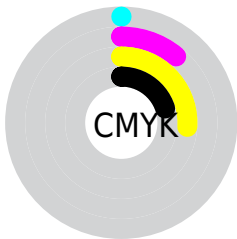
Distribution



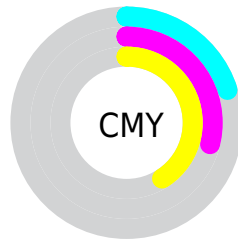
- Red (80%)
- Green (71%)
- Blue (59%)



- Red (73%)
- Yellow (80%)
- Blue (59%)



- Cyan (0%)
- Magenta (11%)
- Yellow (26%)
- Black (20%)





- Cyan (20%)
- Magenta (29%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1348, 48.4953, 35.7304 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 47.1348, 48.4953, 35.7304 by changing the saturation by 10% instead.

 47.1348, 48.4953,
35.7304

 47.1348, 48.4953,
35.7304


365.9923,
380.7520, 342.7823

 33.3506, 34.2193,
23.9380


 85.1323, 87.9414,
69.7801

 22.5557, 23.0621,
15.0759


 110.0764,
113.8803, 92.8745

 14.3847, 14.6394,
8.7254

139.4711,
144.4756, 120.5733

 8.4722, 8.5667,
4.4682

173.6819,
180.1117, 153.2950

 4.4529, 4.4596,
1.8855

213.0740,
221.1730, 191.4583

 1.9614, 1.9339,
0.4835

258.0129,

 0.6121, 0.5686,

268.0439, 235.4815

0.0000

308.8638,
321.1088, 285.7834

■ 0.0000, 0.0000,
0.0000

■ 47.1348, 48.4953,
35.7304

■ 47.1348, 48.4953,
35.7304

■ 43.9818, 44.5931,
27.2684

■ 50.6773, 52.7183,
45.7343

■ 41.1980, 40.9958,
20.2665

■ 54.6211, 57.2643,
57.3501

■ 38.7667, 37.6953,
14.6402

■ 58.9818, 62.1441,
70.6469

■ 36.6683, 34.6811,
10.2948

■ 63.7732, 67.3657,
85.6892

■ 34.8806, 31.9412,
7.1233

■ 69.0083, 72.9368,
102.5379

■ 33.3782, 29.4622,
5.0013

■ 71.7696, 77.6928,
105.8213

■ 32.1289, 27.2282,
3.7690

■ 74.1624, 82.4784,
106.6189

■ 31.7279, 26.4893,
3.4407

■ 76.6672, 87.4881,
107.4538

■ 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.



50.4978, 48.4953, 38.9609



47.1348, 48.4953, 35.7304



43.6568, 48.4953, 36.5931

Triad

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



47.1348, 48.4953, 35.7304



40.0175, 48.4953, 60.2313



51.6320, 48.4953, 66.0045

Complementary

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



47.1348, 48.4953, 35.7304



38.2289, 40.3475, 62.8998

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.



48.6189, 48.4953, 73.2075



47.1348, 48.4953, 35.7304



41.9527, 48.4953, 69.5879

Square

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



47.1348, 48.4953, 35.7304



39.6657, 48.4953, 49.8976



45.0673, 48.4953, 74.5969



53.1804, 48.4953, 55.8193

Rectangle

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



47.1348, 48.4953, 35.7304



41.7308, 48.4953, 39.4270



45.0673, 48.4953, 74.5969



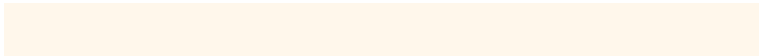
50.7497, 48.4953, 68.9066

Sweetspot

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



47.1361, 48.4975, 35.7314



89.3439, 93.5675, 91.6460



43.3031, 37.6484, 44.2670



18.9044, 19.7771, 18.9653



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.



47.1361, 48.4975, 35.7314



74.8798, 76.4090, 50.5402



50.7842, 57.5986, 37.2958



11.7557, 12.3004, 11.8341



20.0633, 16.8596, 2.1968



1.1085, 1.0166, 0.1378

Inverse Universe

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



38.2289, 40.3475, 62.8998



57.5973, 60.6002, 103.2690



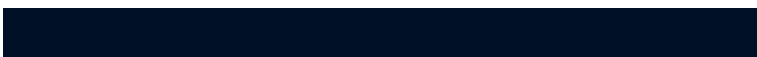
35.2278, 33.0921, 61.6576



10.9707, 11.5818, 14.2277



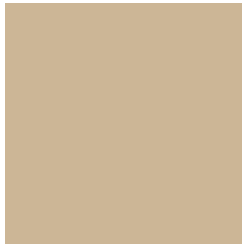
8.8979, 6.8197, 36.8036



0.5330, 0.4998, 1.9233

Previews

White Background



This preview shows how the XYZ color 47.1348, 48.4953, 35.7304 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 47.1348, 48.4953, 35.7304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

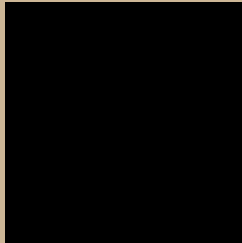
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.1348, 48.4953, 35.7304

Background



This preview shows how black text looks on a background with the XYZ color 47.1348, 48.4953, 35.7304.



This preview shows how white text looks on a background with the XYZ color 47.1348, 48.4953,

35.7304.

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

47.1348, 48.4953, 35.7304

Protanopia

45.6998, 48.6681, 36.2634

Deuteranopia

49.5306, 48.5222, 36.0333



Tritanopia

51.1141, 48.3237, 55.3486

Trichromacy



Original Color

47.1348, 48.4953, 35.7304

Protanomaly

46.2796, 48.6575, 36.2308

Deuteranomaly

48.5700, 48.3234, 36.0456

Tritanomaly

49.3904, 48.2013, 47.2581

Monochromacy



Original Color

47.1348, 48.4953, 35.7304

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.3251, 48.4660, 45.9430

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1348, 48.4953, 35.7304 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, 182, 150)` looks like.

```
.text, #text, p{  
    color:rgb(204, 182, 150)  
}
```

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, 182, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 182, 150) }
```

Border

The CSS property to change the border of an element to XYZ 47.1348, 48.4953, 35.7304 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, 182, 150) }
```


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

```
.border{ border-color:rgb(204, 182, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 182, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 182, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 182, 150);  
box-shadow:4px 4px 4px 4px rgb(204, 182,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1348, 48.4953, 35.7304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 182, 150) }
```

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

```
.background{ background-color: rgb(204,  
182, 150) }
```

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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