

Converting Colors

XYZ(48.1536, 49.0137, 40.1648)

Have a look what the booklet for
XYZ(48.1536, 49.0137, 40.1648)
contains.

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Color

**XYZ(47.9750, 48.8313,
40.1545)**

Conversions

Conversions Part 1

Format	Color
Hex	CCB6A0
RGB	204, 182, 160
RGB Percent	80%, 71%, 63%
CMY	0.2000, 0.2863, 0.3725
CMYK	0.00, 0.11, 0.22, 0.20
HSL	30°, 30%, 71%
HSV	30°, 22%, 80%
XYZ	47.9750, 48.8313, 40.1545
YIQ	186.0700, 20.1740, -2.1780

Conversions

Conversions Part 2

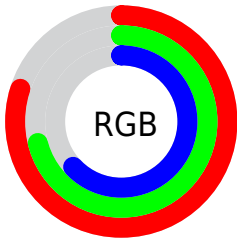
Format	Color
R_{YB}	204, 204, 160
Decimal	13416096
CIE _{Lab}	75.35, 4.37, 14.07
CIE _{LCh}	75, 14.732, 72.748
Yxy	48.8313, 0.3503, 0.3565
Android (android.graphics.Color)	4291606176 (0xFFCCB6A0)
YUV	186.0700, -12.8525, 15.7246
Hunter-Lab	69.8794, 0.2584, 14.8460

Details

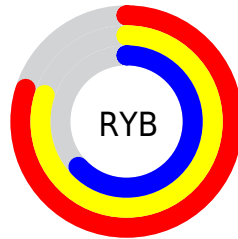
The XYZ color **47.9750, 48.8313, 40.1545** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.1241, 45.2882, 63.6486**, and the grayscale version is **46.7742, 49.2101, 53.5898**.

A 20% lighter version of the original color is **84.0803, 87.3154, 76.7120**, and **22.9515, 23.1728, 17.4505** is the 20% darker color. If you saturate the color by 10%, you get **44.3221, 44.1507, 30.8430**, and if you desaturate by 10%, it is **52.0755, 53.9377, 51.0611**.

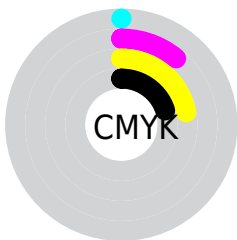
Distribution



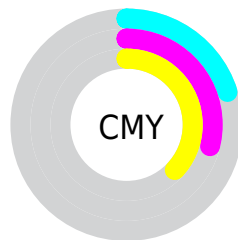
- Red (80%)
- Green (71%)
- Blue (63%)



- Red (80%)
- Yellow (80%)
- Blue (63%)



- Cyan (0%)
- Magenta (11%)
- Yellow (22%)
- Black (20%)




- Cyan (20%)
- Magenta (29%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.9750, 48.8313, 40.1545 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 47.9750, 48.8313, 40.1545 by changing the saturation by 10% instead.


 47.9750, 48.8313,
40.1545


 47.9750, 48.8313,
40.1545

369.2773,
382.0778, 362.3458

 34.0183, 34.4857,
27.3443


 86.3771, 88.4408,
76.6384

 23.0706, 23.2670,
17.5973


 111.5532,
114.4736, 101.1492

 14.7666, 14.7908,
10.4948


141.1997,
145.1708, 130.3972

 8.7410, 8.6727,
5.6184

175.6821,
180.9168, 164.8011

 4.6284, 4.5283,
2.5494

215.3657,
222.0962, 204.7794

 2.0634, 1.9733,
0.8662

260.6159,

 0.6692, 0.5919,

269.0932, 250.7506

0.0000

311.7979,
322.2923, 303.1332

■ 0.0000, 0.0000,
0.0000

■ 47.9750, 48.8313,
40.1545

■ 47.9750, 48.8313,
40.1545

■ 44.3221, 44.1507,
30.8430

■ 52.0755, 53.9377,
51.0611

■ 41.0954, 39.8771,
23.0473

■ 56.6362, 59.4749,
63.6308

■ 38.2774, 36.0000,
16.6858

■ 61.6738, 65.4561,
77.9313

■ 35.8478, 32.5056,
11.6682

■ 67.2030, 71.8919,
94.0256

■ 33.7839, 29.3792,
7.8933

■ 72.0899, 78.3332,
105.9280

■ 32.0604, 26.6047,
5.2456

■ 75.0609, 84.2752,
106.9183

■ 30.6476, 24.1641,
3.5874

■ 78.2015, 90.5563,
107.9652

■ 29.6552, 22.3438,
2.7498

■ 78.7121, 91.5775,
108.1354

Harmonies

Analogous

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



50.3446, 48.8313, 43.6705



47.9750, 48.8313, 40.1545



45.2725, 48.8313, 39.9034

Triad

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



47.9750, 48.8313, 40.1545



41.5144, 48.8313, 56.5300



50.0397, 48.8313, 64.8959

Complementary

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



47.9750, 48.8313, 40.1545



42.1241, 45.2882, 63.6486

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.



47.5719, 48.8313, 69.0902



47.9750, 48.8313, 40.1545



42.6910, 48.8313, 63.9536

Square

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



47.9750, 48.8313, 40.1545



41.6128, 48.8313, 48.8655



44.8847, 48.8313, 68.7294



51.5681, 48.8313, 57.7179

Rectangle

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



47.9750, 48.8313, 40.1545



43.6510, 48.8313, 41.5812



44.8847, 48.8313, 68.7294



49.2884, 48.8313, 66.7314

Sweetspot

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



47.9763, 48.8335, 40.1555



90.2919, 94.2701, 95.6417



45.9167, 41.3570, 49.8192



19.2191, 20.0476, 20.1759



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.



47.9763, 48.8335, 40.1555



76.4757, 77.0871, 58.8221



52.8404, 58.5617, 41.7769



11.6681, 12.1251, 11.8048



18.7583, 14.2496, 1.7618



1.0436, 0.8869, 0.1162

Inverse Universe

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



42.1241, 45.2882, 63.6486



65.0418, 70.1604, 104.7220



37.9677, 36.9755, 62.2631



11.0573, 11.7551, 14.2565



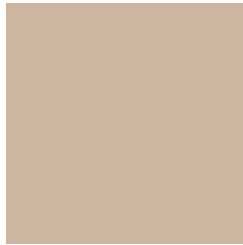
9.9426, 8.9092, 37.1519



0.5888, 0.6114, 1.9419

Previews

White Background



This preview shows how the XYZ color 47.9750, 48.8313, 40.1545 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 47.9750, 48.8313, 40.1545 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 47.9750, 48.8313, 40.1545

Background



This preview shows how black text looks on a background with the XYZ color 47.9750, 48.8313, 40.1545.



This preview shows how white text looks on a background with the XYZ color 47.9750, 48.8313,

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

47.9750, 48.8313, 40.1545

Protanopia

46.3762, 48.9087, 41.1784

Deuteranopia

49.9937, 48.9595, 40.5334



Tritanopia

51.1385, 48.6158, 55.9787

Trichromacy



Original Color

47.9750, 48.8313, 40.1545

Protanomaly

46.8622, 48.8600, 40.6792

Deuteranomaly

49.3326, 48.9174, 40.5601

Tritanomaly

50.0904, 48.8009, 49.9595

Monochromacy



Original Color

47.9750, 48.8313, 40.1545

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.2771, 49.2097, 48.6016

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9750, 48.8313, 40.1545 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, 160)` looks like.

```
.text, #text, p{  
    color:rgb(204, 182, 160)  
}
```

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, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 182, 160) }
```

Border

The CSS property to change the border of an element to XYZ 47.9750, 48.8313, 40.1545 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, 160) }
```


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

```
.border{ border-color:rgb(204, 182, 160) }
```

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, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 182, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 182, 160);  
box-shadow:4px 4px 4px 4px rgb(204, 182,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9750, 48.8313, 40.1545 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, 160) }
```

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

```
.background{ background-color: rgb(204,  
182, 160) }
```

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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