

Converting Colors

XYZ(48.1034, 48.0284, 44.8526)

Have a look what the booklet for
XYZ(48.1034, 48.0284, 44.8526)
contains.

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Color

**XYZ(48.0044, 47.8390,
44.7340)**

Conversions

Conversions Part 1

Format	Color
Hex	CBB3AA
RGB	203, 179, 170
RGB Percent	80%, 70%, 67%
CMY	0.2039, 0.2980, 0.3333
CMYK	0.00, 0.12, 0.16, 0.20
HSL	16°, 24%, 73%
HSV	16°, 16%, 80%
XYZ	48.0044, 47.8390, 44.7340
YIQ	185.1500, 17.1930, 2.2890

Conversions

Conversions Part 2

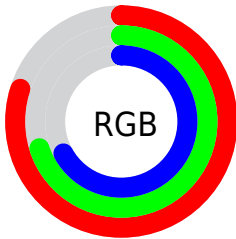
Format	Color
RYB	203, 182, 170
Decimal	13349802
CIELab	74.72, 7.14, 7.74
CIELCh	75, 10.526, 47.320
Yxy	47.8390, 0.3415, 0.3403
Android (android.graphics.Color)	4291539882 (0xFFCBB3AA)
YUV	185.1500, -7.4689, 15.6545
Hunter-Lab	69.1657, 2.8477, 10.0693

Details

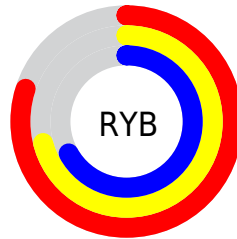
The XYZ color **48.0044, 47.8390, 44.7340** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.6486, 51.4403, 63.9706**, and the grayscale version is **46.2322, 48.6399, 52.9688**.

A 20% lighter version of the original color is **84.5389, 86.1129, 83.3999**, and **23.1253, 22.6193, 20.2867** is the 20% darker color. If you saturate the color by 10%, you get **43.4289, 41.5272, 34.4548**, and if you desaturate by 10%, it is **53.1958, 54.9071, 56.6826**.

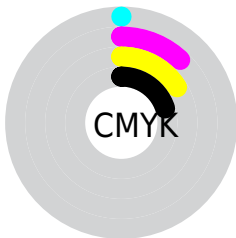
Distribution



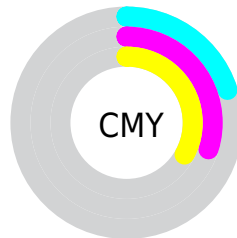
- Red (80%)
- Green (70%)
- Blue (67%)



- Red (80%)
- Yellow (71%)
- Blue (67%)



- Cyan (0%)
- Magenta (12%)
- Yellow (16%)
- Black (20%)





- Cyan (20%)
- Magenta (30%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.0044, 47.8390, 44.7340 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 48.0044, 47.8390, 44.7340 by changing the saturation by 10% instead.


 48.0044, 47.8390,
44.7340

 48.0044, 47.8390,
44.7340


369.3919,
378.1536, 381.8238

 34.0416, 33.6994,
30.9065

 86.4206, 86.9646,
83.6353

 23.0886, 22.6628,
20.2698


111.6048,
112.7195, 109.5463

 14.7800, 14.3447,
12.4053

141.2601,
143.1149, 140.3221

 8.7505, 8.3608,
6.8945


175.7520,
178.5352, 176.3814

 4.6346, 4.3267,
3.3187

215.4457,
219.3648, 218.1427

 2.0670, 1.8579,
1.2596

260.7067,

 0.6712, 0.5229,

265.9882, 266.0245

0.0283

311.9003,
318.7896, 320.4454

■ 0.0000, 0.0000,
0.0000

■ 48.0044, 47.8390,
44.7340

■ 48.0044, 47.8390,
44.7340

■ 43.4289, 41.5272,
34.4548

■ 53.1958, 54.9071,
56.6826

■ 39.4419, 35.9401,
25.7673

■ 59.0215, 62.7493,
70.3675

■ 36.0196, 31.0531,
18.5920

■ 65.5036, 71.3905,
85.8558

■ 33.1352, 26.8378,
12.8413

■ 72.6624, 80.8527,
103.2100

■ 30.7593, 23.2637,
8.4185

■ 77.7446, 90.0483,
107.8912

■ 28.8596, 20.2979,
5.2149

■ 78.4388, 91.4366,
108.1226

■ 27.3993, 17.9043,
3.1042

■ 26.3346, 16.0416,
1.9266

■ 26.0134, 15.4659,
1.6142

Harmonies

Analogous

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



49.0657, 47.8390, 49.0203



48.0044, 47.8390, 44.7340



46.2803, 47.8390, 42.4880

Triad

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



48.0044, 47.8390, 44.7340



41.9805, 47.8390, 49.8141



46.5714, 47.8390, 62.7863

Complementary

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



48.0044, 47.8390, 44.7340



46.6486, 51.4403, 63.9706

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.



44.6683, 47.8390, 63.0362



48.0044, 47.8390, 44.7340



42.0535, 47.8390, 55.2822

Square

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



48.0044, 47.8390, 44.7340



42.8233, 47.8390, 45.2800



43.0255, 47.8390, 60.2080



48.2226, 47.8390, 59.5475

Rectangle

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



48.0044, 47.8390, 44.7340



45.0033, 47.8390, 42.3391



43.0255, 47.8390, 60.2080



45.9389, 47.8390, 63.2304

Sweetspot

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



48.0057, 47.8411, 44.7350



90.1779, 93.4325, 97.4828



48.7639, 45.3507, 57.3407



19.1600, 19.8066, 20.5348



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.



48.0057, 47.8411, 44.7350



77.1884, 75.7184, 67.6736



51.4672, 54.7641, 45.8888



11.4573, 11.7035, 11.7346



16.6205, 9.9739, 1.0492



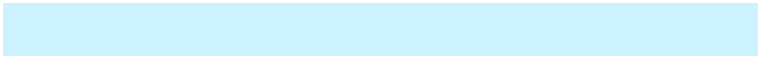
0.9219, 0.6434, 0.0756

Inverse Universe

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



46.6486, 51.4403, 63.9706



74.4323, 83.0183, 106.7089



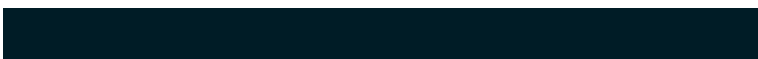
43.2184, 44.5801, 62.8272



11.2744, 12.1892, 14.3289



13.6400, 16.3039, 38.3843



0.7648, 0.9633, 2.0006

Previews

White Background



This preview shows how the XYZ color 48.0044, 47.8390, 44.7340 looks on a white background.

Color Contrast Check

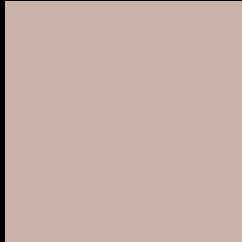
Large Text (above 18pt) WCAG AA × Fail

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 48.0044, 47.8390, 44.7340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

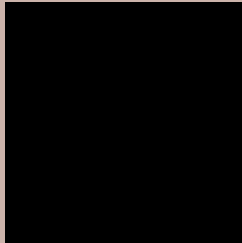
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.0044, 47.8390, 44.7340

Background



This preview shows how black text looks on a background with the XYZ color 48.0044, 47.8390, 44.7340.



This preview shows how white text looks on a background with the XYZ color 48.0044, 47.8390,

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

48.0044, 47.8390, 44.7340

Protanopia

45.6151, 47.7927, 45.8505

Deuteranopia

48.9082, 48.0085, 44.7190



Tritanopia

50.2732, 47.8902, 55.3092

Trichromacy



Original Color

48.0044, 47.8390, 44.7340

Protanomaly

46.5843, 47.9983, 45.3374

Deuteranomaly

48.6297, 47.8649, 44.7060

Tritanomaly

49.4462, 47.8423, 51.4281

Monochromacy



Original Color

48.0044, 47.8390, 44.7340

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.9099, 48.3687, 50.0437

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0044, 47.8390, 44.7340 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, 170)` looks like.

```
.text, #text, p{  
    color:rgb(203, 179, 170)  
}
```

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, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 179, 170) }
```

Border

The CSS property to change the border of an element to XYZ 48.0044, 47.8390, 44.7340 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, 170) }
```


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

```
.border{ border-color:rgb(203, 179, 170) }
```

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, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 179, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 179, 170);  
box-shadow:4px 4px 4px 4px rgb(203, 179,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0044, 47.8390, 44.7340 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, 170) }
```

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

```
.background{ background-color: rgb(203,  
179, 170) }
```

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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