

Converting Colors

XYZ(46.5870, 46.3204, 40.2035)

Have a look what the booklet for
XYZ(46.5870, 46.3204, 40.2035)
contains.

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Color

**XYZ(46.5870, 46.3204,
40.2035)**

Conversions

Conversions Part 1

Format	Color
Hex	CBB0A1
RGB	203, 176, 161
RGB Percent	80%, 69%, 63%
CMY	0.2039, 0.3098, 0.3686
CMYK	0.00, 0.13, 0.21, 0.20
HSL	21°, 29%, 71%
HSV	21°, 21%, 80%
XYZ	46.5870, 46.3204, 40.2035
YIQ	182.3630, 20.9070, 1.0590

Conversions

Conversions Part 2

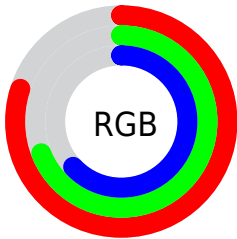
Format	Color
R_{YB}	203, 184, 161
Decimal	13349025
CIE _{Lab}	73.75, 7.36, 11.26
CIE _{LCh}	74, 13.456, 56.840
Yxy	46.3204, 0.3500, 0.3480
Android (android.graphics.Color)	4291539105 (0xFFCBB0A1)
YUV	182.3630, -10.5320, 18.0986
Hunter-Lab	68.0591, 3.0813, 12.6179

Details

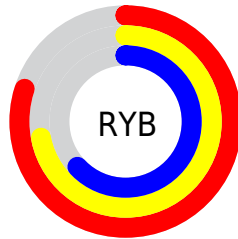
The XYZ color **46.5870, 46.3204, 40.2035** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **43.4603, 47.8542, 63.4465**, and the grayscale version is **44.7100, 47.0384, 51.2248**.

A 20% lighter version of the original color is **82.4913, 83.9311, 76.8183**, and **22.1807, 21.8153, 17.5097** is the 20% darker color. If you saturate the color by 10%, you get **42.5038, 40.7899, 30.7159**, and if you desaturate by 10%, it is **51.2093, 52.4633, 51.3058**.

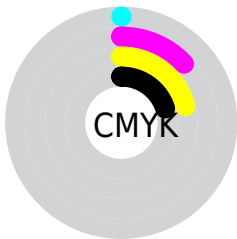
Distribution



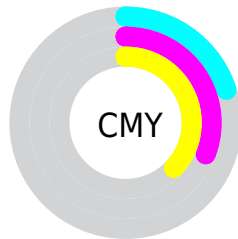
- Red (80%)
- Green (69%)
- Blue (63%)



- Red (80%)
- Yellow (72%)
- Blue (63%)



- Cyan (0%)
- Magenta (13%)
- Yellow (21%)
- Black (20%)





- Cyan (20%)
- Magenta (31%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.5870, 46.3204, 40.2035 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 46.5870, 46.3204, 40.2035 by changing the saturation by 10% instead.


 46.5870, 46.3204,
40.2035


 46.5870, 46.3204,
40.2035


363.8401,
372.0953, 362.5581

 32.9159, 32.4987,
27.3823


 84.3193, 84.6983,
76.7138

 22.2209, 21.7427,
17.6255


 109.1112,
110.0233, 101.2399

 14.1368, 13.6680,
10.5148


138.3407,
139.9516, 130.5047

 8.2982, 7.8901,
5.6316

172.3732,
174.8675, 164.9267

 4.3398, 4.0247,
2.5572

211.5740,
215.1554, 204.9246

 1.8961, 1.6874,
0.8703

256.3085,

 0.5746, 0.4155,

261.1997, 250.9167

0.0000

306.9421,
313.3849, 303.3217

■ 0.0000, 0.0000,
0.0000

■ 46.5870, 46.3204,
40.2035

■ 46.5870, 46.3204,
40.2035

■ 42.5038, 40.7899,
30.7159

■ 51.2093, 52.4633,
51.3058

■ 38.9351, 35.8460,
22.7641

■ 56.3866, 59.2306,
64.0908

■ 35.8598, 31.4704,
16.2666

■ 62.1389, 66.6423,
78.6262

■ 33.2536, 27.6412,
11.1335

■ 68.4839, 74.7151,
94.9752

■ 31.0900, 24.3351,
7.2646

■ 74.2069, 82.9728,
106.7120

■ 29.3395, 21.5268,
4.5457

■ 78.2139, 90.9869,
108.0477

■ 27.9679, 19.1881,
2.8413

■ 78.4388, 91.4366,
108.1226

■ 26.9799, 17.3988,
1.9363

Harmonies

Analogous

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



48.2536, 46.3204, 44.7251



46.5870, 46.3204, 40.2035



44.2799, 46.3204, 38.4062

Triad

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



46.5870, 46.3204, 40.2035



39.5968, 46.3204, 49.7132



46.1330, 46.3204, 63.1085

Complementary

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



46.5870, 46.3204, 40.2035



43.4603, 47.8542, 63.4465

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.



43.7734, 46.3204, 64.7449



46.5870, 46.3204, 40.2035



40.0531, 46.3204, 56.6114

Square

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



46.5870, 46.3204, 40.2035



40.2913, 46.3204, 43.5756



41.5609, 46.3204, 62.2700



47.9849, 46.3204, 57.9790

Rectangle

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



46.5870, 46.3204, 40.2035



42.7087, 46.3204, 38.8617



41.5609, 46.3204, 62.2700



45.3704, 46.3204, 64.1043

Sweetspot

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



46.5882, 46.3225, 40.2045



89.6262, 92.9386, 95.4197



46.4835, 41.8306, 53.3714



19.0619, 19.7333, 20.1235



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.



46.5882, 46.3225, 40.2045



74.7241, 73.1378, 59.6132



50.9603, 55.0666, 41.6618



11.5348, 11.8586, 11.7604



17.2484, 11.2298, 1.2585



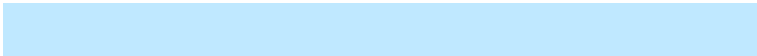
0.9611, 0.7220, 0.0887

Inverse Universe

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



43.4603, 47.8542, 63.4465



68.5191, 76.1694, 105.6986



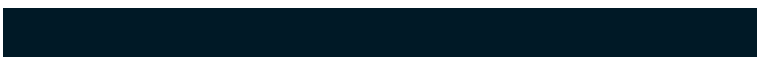
39.3517, 39.6369, 62.0770



11.1930, 12.0265, 14.3018



12.0697, 13.1633, 37.8609



0.6927, 0.8192, 1.9766

Previews

White Background



This preview shows how the XYZ color 46.5870, 46.3204, 40.2035 looks on a white background.

Color Contrast Check

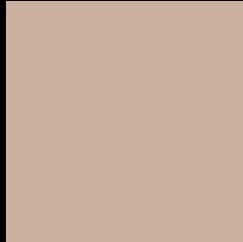
Large Text (above 18pt) WCAG AA × Fail

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 46.5870, 46.3204, 40.2035 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

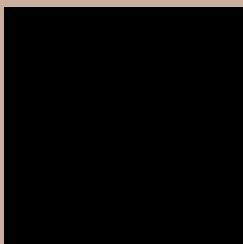
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

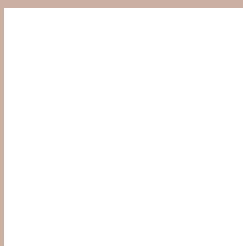
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.5870, 46.3204, 40.2035

Background



This preview shows how black text looks on a background with the XYZ color 46.5870, 46.3204, 40.2035.



This preview shows how white text looks on a background with the XYZ color 46.5870, 46.3204,

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

46.5870, 46.3204, 40.2035

Protanopia

44.1210, 46.5109, 41.3024

Deuteranopia

47.2166, 46.3550, 40.1770



Tritanopia

49.0690, 46.1720, 52.7802

Trichromacy



Original Color

46.5870, 46.3204, 40.2035

Protanomaly

44.8898, 46.3182, 40.7568

Deuteranomaly

46.9398, 46.2123, 40.1641

Tritanomaly

48.0562, 46.0406, 47.9489

Monochromacy



Original Color

46.5870, 46.3204, 40.2035

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.1964, 46.6457, 46.6658

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5870, 46.3204, 40.2035 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, 176, 161)` looks like.

```
.text, #text, p{  
    color:rgb(203, 176, 161)  
}
```

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, 176, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 176, 161) }
```

Border

The CSS property to change the border of an element to XYZ 46.5870, 46.3204, 40.2035 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, 176, 161) }
```


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

```
.border{ border-color:rgb(203, 176, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 176, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 176, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 176, 161);  
box-shadow:4px 4px 4px 4px rgb(203, 176,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5870, 46.3204, 40.2035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 176, 161) }
```

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

```
.background{ background-color: rgb(203,  
176, 161) }
```

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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