

Converting Colors

XYZ(49.0454, 50.2216, 44.1546)

Have a look what the booklet for
XYZ(49.0454, 50.2216, 44.1546)
contains.

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Color

**XYZ(49.0454, 50.2216,
44.1546)**

Conversions

Conversions Part 1

Format	Color
Hex	CBB9A8
RGB	203, 185, 168
RGB Percent	80%, 73%, 66%
CMY	0.2039, 0.2745, 0.3412
CMYK	0.00, 0.09, 0.17, 0.20
HSL	29°, 25%, 73%
HSV	29°, 17%, 80%
XYZ	49.0454, 50.2216, 44.1546
YIQ	188.4440, 16.1850, -1.4710

Conversions

Conversions Part 2

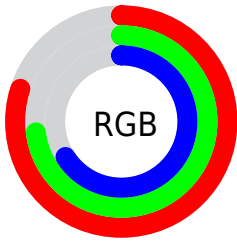
Format	Color
R _Y B	203, 201, 168
Decimal	13351336
CIE Lab	76.21, 3.61, 10.94
CIE LCh	76, 11.517, 71.752
Yxy	50.2216, 0.3420, 0.3502
Android (android.graphics.Color)	4291541416 (0xFFCBB9A8)
YUV	188.4440, -10.0789, 12.7656
Hunter-Lab	70.8672, -0.4823, 12.6657

Details

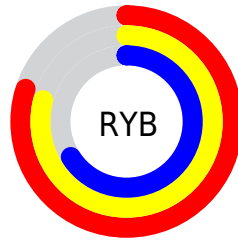
The XYZ color **49.0454, 50.2216, 44.1546** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.4865, 47.7532, 63.3727**, and the grayscale version is **48.1027, 50.6078, 55.1119**.

A 20% lighter version of the original color is **86.0146, 89.4983, 82.5535**, and **23.7981, 24.1530, 19.9307** is the 20% darker color. If you saturate the color by 10%, you get **45.1963, 45.3171, 34.2582**, and if you desaturate by 10%, it is **53.3528, 55.5693, 55.6615**.

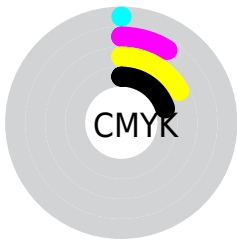
Distribution



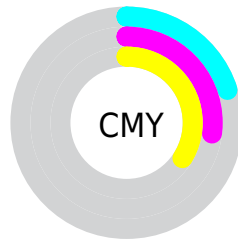
- Red (80%)
- Green (73%)
- Blue (66%)



- Red (80%)
- Yellow (79%)
- Blue (66%)



- Cyan (0%)
- Magenta (9%)
- Yellow (17%)
- Black (20%)





- Cyan (20%)
- Magenta (27%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0454, 50.2216, 44.1546 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 49.0454, 50.2216, 44.1546 by changing the saturation by 10% instead.


 49.0454, 50.2216,
44.1546


 49.0454, 50.2216,
44.1546

373.4350,
387.5319, 379.3986

 34.8702, 35.5895,
30.4540


 87.9592, 90.5031,
82.7553

 23.7289, 24.1173,
19.9285


 113.4285,
116.9213, 108.4924

 15.2563, 15.4207,
12.1595


143.3932,
148.0371, 139.0788

 9.0870, 9.1152,
6.7285

178.2186,
184.2347, 174.9330

 4.8555, 4.8164,
3.2171

218.2702,
225.8986, 216.4736

 2.1966, 2.1399,
1.2065

263.9132,

 0.7410, 0.6869,

273.4131, 264.1190

0.0000

315.5130,
327.1628, 318.2878

■ 0.0000, 0.0000,
0.0000

■ 49.0454, 50.2216,
44.1546

■ 49.0454, 50.2216,
44.1546

■ 45.1963, 45.3171,
34.2582

■ 53.3528, 55.5693,
55.6615

■ 41.7844, 40.8368,
25.8961

■ 58.1305, 61.3653,
68.8442

■ 38.7928, 36.7700,
18.9906

■ 63.3952, 67.6230,
83.7680

■ 36.2016, 33.1030,
13.4558

■ 69.1613, 74.3532,
100.4939

■ 33.9894, 29.8209,
9.1967

■ 73.0188, 80.5968,
106.3160

■ 32.1321, 26.9079,
6.1058

■ 76.1326, 86.8244,
107.3539

■ 30.6018, 24.3463,
4.0579

■ 78.4387, 91.4366,
108.1226

■ 29.3622, 22.1145,
2.8818

■ 29.0550, 21.5493,
2.6281

Harmonies

Analogous

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



50.8974, 50.2216, 47.1444



49.0454, 50.2216, 44.1546



46.8939, 50.2216, 43.8530

Triad

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



49.0454, 50.2216, 44.1546



43.7855, 50.2216, 57.1392



50.5511, 50.2216, 64.0370

Complementary

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



49.0454, 50.2216, 44.1546



44.4865, 47.7532, 63.3727

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.



48.5843, 50.2216, 67.1631



49.0454, 50.2216, 44.1546



44.7047, 50.2216, 62.9847

Square

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



49.0454, 50.2216, 44.1546



43.9005, 50.2216, 51.0450



46.4464, 50.2216, 66.7641



51.7847, 50.2216, 58.4894

Rectangle

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



49.0454, 50.2216, 44.1546



45.5835, 50.2216, 45.1866



46.4464, 50.2216, 66.7641



49.9514, 50.2216, 65.4241

Sweetspot

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



49.0468, 50.2238, 44.1557



91.0088, 95.0942, 97.7597



47.5035, 44.2511, 52.5390



19.3616, 20.2099, 20.6020



0.0000, 0.0000, 0.0000



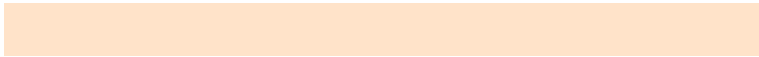
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.0468, 50.2238, 44.1557



79.4325, 80.6919, 66.9248



52.9152, 57.9608, 45.4452



11.6547, 12.0983, 11.8004



18.5809, 13.8948, 1.7026



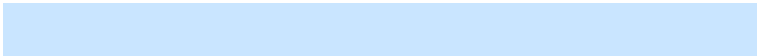
1.0345, 0.8686, 0.1131

Inverse Universe

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



44.4865, 47.7532, 63.3727



70.2733, 75.7295, 105.5212



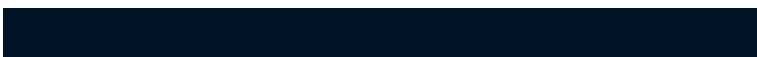
41.0392, 40.8585, 62.2236



11.0708, 11.7819, 14.2610



10.1261, 9.2762, 37.2130



0.5982, 0.6302, 1.9451

Previews

White Background



This preview shows how the XYZ color 49.0454, 50.2216, 44.1546 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 49.0454, 50.2216, 44.1546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

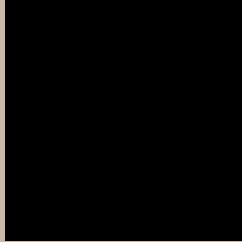
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.0454, 50.2216, 44.1546

Background



This preview shows how black text looks on a background with the XYZ color 49.0454, 50.2216, 44.1546.



This preview shows how white text looks on a background with the XYZ color 49.0454, 50.2216,

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

49.0454, 50.2216, 44.1546

Protanopia

47.6967, 50.1410, 44.7004

Deuteranopia

51.1259, 50.0585, 44.5037



Tritanopia

52.1063, 50.2533, 58.5833

Trichromacy



Original Color

49.0454, 50.2216, 44.1546

Protanomaly

48.2735, 50.1245, 44.6668

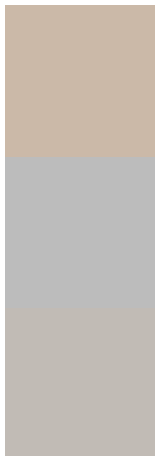
Deuteranomaly

50.1839, 49.8758, 44.5181

Tritanomaly

50.9385, 50.0805, 52.8807

Monochromacy



Original Color

49.0454, 50.2216, 44.1546

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.1031, 50.2143, 50.8731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0454, 50.2216, 44.1546 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, 185, 168)` looks like.

```
.text, #text, p{  
    color:rgb(203, 185, 168)  
}
```

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, 185, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 185, 168) }
```

Border

The CSS property to change the border of an element to XYZ 49.0454, 50.2216, 44.1546 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, 185, 168) }
```


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

```
.border{ border-color:rgb(203, 185, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 185, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 185, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 185, 168);  
box-shadow:4px 4px 4px 4px rgb(203, 185,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0454, 50.2216, 44.1546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 185, 168) }
```

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

```
.background{ background-color: rgb(203,  
185, 168) }
```

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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