

Converting Colors

XYZ(49.6734, 50.7925, 44.9426)

Have a look what the booklet for
XYZ(49.6734, 50.7925, 44.9426)
contains.

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Color

**XYZ(49.6222, 50.8198,
44.7299)**

Conversions

Conversions Part 1

Format	Color
Hex	CCBAA9
RGB	204, 186, 169
RGB Percent	80%, 73%, 66%
CMY	0.2000, 0.2706, 0.3372
CMYK	0.00, 0.09, 0.17, 0.20
HSL	29°, 26%, 73%
HSV	29°, 17%, 80%
XYZ	49.6222, 50.8198, 44.7299
YIQ	189.4440, 16.1850, -1.4710

Conversions

Conversions Part 2

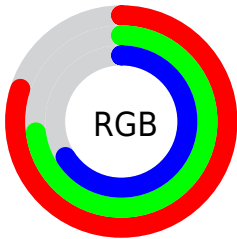
Format	Color
RYB	204, 202, 169
Decimal	13417129
CIELab	76.57, 3.60, 10.93
CIELCh	77, 11.504, 71.761
Yxy	50.8198, 0.3418, 0.3501
Android (android.graphics.Color)	4291607209 (0xFFCCBAA9)
YUV	189.4440, -10.0789, 12.7656
Hunter-Lab	71.2880, -0.5036, 12.6999

Details

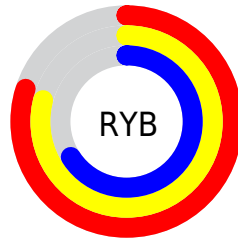
The XYZ color **49.6222, 50.8198, 44.7299** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.0313, 48.3341, 64.0832**, and the grayscale version is **48.6747, 51.2096, 55.7672**.

A 20% lighter version of the original color is **86.4467, 90.1461, 83.3647**, and **24.1761, 24.5434, 20.2928** is the 20% darker color. If you saturate the color by 10%, you get **45.7257, 45.8559, 34.7082**, and if you desaturate by 10%, it is **53.9826, 56.2322, 56.3816**.

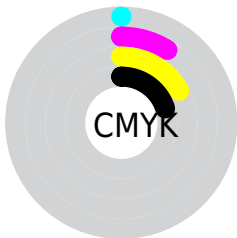
Distribution



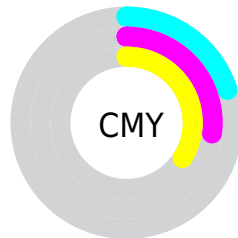
- Red (80%)
- Green (73%)
- Blue (66%)



- 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 49.6222, 50.8198, 44.7299 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 49.6222, 50.8198, 44.7299 by changing the saturation by 10% instead.


 49.6222, 50.8198,
44.7299

 49.6222, 50.8198,
44.7299


375.6631,
389.8633, 381.8067

 35.3299, 36.0652,
30.9033

 88.8100, 91.3884,
83.6291

 24.0848, 24.4846,
20.2674

114.4363,
117.9711, 109.5388

 15.5216, 15.6935,
12.4036


144.5711,
149.2654, 140.3133

 9.2750, 9.3075,
6.8933

179.5801,
185.6556, 176.3712

 4.9795, 4.9423,
3.3180

219.8284,
227.5260, 218.1309

 2.2699, 2.2134,
1.2592

265.6814,

 0.7792, 0.7273,

275.2612, 266.0110

0.0280

317.5045,
329.2455, 320.4301

■ 0.0000, 0.0000,
0.0000

■ 49.6222, 50.8198,
44.7299

■ 49.6222, 50.8198,
44.7299

■ 45.7257, 45.8559,
34.7082

■ 53.9826, 56.2322,
56.3816

■ 42.2716, 41.3213,
26.2394

■ 58.8189, 62.0982,
69.7292

■ 39.2428, 37.2051,
19.2449

■ 64.1481, 68.4315,
84.8390

■ 36.6194, 33.4935,
13.6378

■ 69.9846, 75.2429,
101.7726

■ 34.3796, 30.1715,
9.3220

■ 73.6579, 81.4691,
106.4507

■ 32.4988, 27.2230,
6.1890

■ 76.8090, 87.7714,
107.5011

■ 30.9493, 24.6301,
4.1120

■ 78.7120, 91.5775,
108.1354

■ 29.6943, 22.3712,
2.9196

■ 29.3743, 21.7820,
2.6562

Harmonies

Analogous

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



51.4868, 50.8198, 47.7412



49.6222, 50.8198, 44.7299



47.4561, 50.8198, 44.4269

Triad

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



49.6222, 50.8198, 44.7299



44.3267, 50.8198, 57.8090



51.1392, 50.8198, 64.7482

Complementary

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



49.6222, 50.8198, 44.7299



45.0313, 48.3341, 64.0832

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.



49.1593, 50.8198, 67.8947



49.6222, 50.8198, 44.7299



45.2527, 50.8198, 63.6922

Square

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



49.6222, 50.8198, 44.7299



44.4422, 50.8198, 51.6729



47.0068, 50.8198, 67.4944



52.3805, 50.8198, 59.1643

Rectangle

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



49.6222, 50.8198, 44.7299



46.1367, 50.8198, 45.7711



47.0068, 50.8198, 67.4944



50.5355, 50.8198, 66.1442

Sweetspot

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



49.6236, 50.8221, 44.7310



91.0088, 95.0942, 97.7597



48.0689, 44.8054, 53.1758



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.



49.6236, 50.8221, 44.7310



79.4325, 80.6919, 66.9248



53.5182, 58.6114, 46.0292



11.6547, 12.0983, 11.8004



18.5809, 13.8948, 1.7026



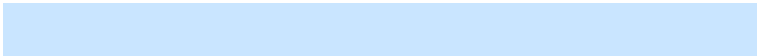
1.0345, 0.8686, 0.1131

Inverse Universe

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



45.0313, 48.3341, 64.0832



70.2733, 75.7296, 105.5212



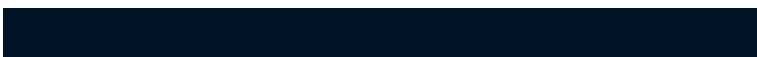
41.5586, 41.3888, 62.9256



11.0708, 11.7819, 14.2610



10.1261, 9.2762, 37.2131



0.5982, 0.6302, 1.9451

Previews

White Background



This preview shows how the XYZ color 49.6222, 50.8198, 44.7299 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 49.6222, 50.8198, 44.7299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

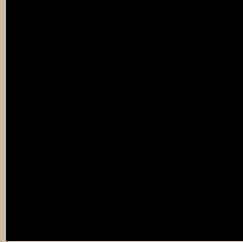
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.6222, 50.8198, 44.7299

Background



This preview shows how black text looks on a background with the XYZ color 49.6222, 50.8198, 44.7299.



This preview shows how white text looks on a background with the XYZ color 49.6222, 50.8198,

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

49.6222, 50.8198, 44.7299

Protanopia

48.2649, 50.7390, 45.2800

Deuteranopia

51.7152, 50.6543, 45.0818



Tritanopia

52.7042, 50.8513, 59.2620

Trichromacy



Original Color

49.6222, 50.8198, 44.7299

Protanomaly

48.8454, 50.7223, 45.2462

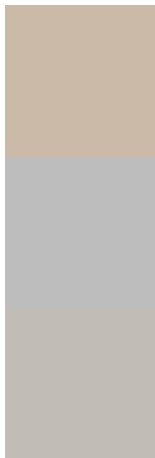
Deuteranomaly

50.7675, 50.4709, 45.0963

Tritanomaly

51.5285, 50.6775, 53.5203

Monochromacy



Original Color

49.6222, 50.8198, 44.7299

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.6749, 50.8132, 51.4985

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6222, 50.8198, 44.7299 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, 186, 169) looks like.

```
.text, #text, p{  
    color:rgb(204, 186, 169)  
}
```

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, 186, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 186, 169) }
```

Border

The CSS property to change the border of an element to XYZ 49.6222, 50.8198, 44.7299 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, 186, 169) }
```


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

```
.border{ border-color:rgb(204, 186, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 186, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 186, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 186, 169);  
box-shadow:4px 4px 4px 4px rgb(204, 186,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6222, 50.8198, 44.7299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 186, 169) }
```

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

```
.background{ background-color: rgb(204,  
186, 169) }
```

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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