

Converting Colors

XYZ(48.8117, 49.3603, 44.4915)

Have a look what the booklet for
XYZ(48.8117, 49.3603, 44.4915)
contains.

XYZ(48.9968, 49.5689, 44.5215)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.9968, 49.5689,
44.5215)**

Conversions

Conversions Part 1

Format	Color
Hex	CCB7A9
RGB	204, 183, 169
RGB Percent	80%, 72%, 66%
CMY	0.2000, 0.2823, 0.3372
CMYK	0.00, 0.10, 0.17, 0.20
HSL	24°, 26%, 73%
HSV	24°, 17%, 80%
XYZ	48.9968, 49.5689, 44.5215
YIQ	187.6830, 17.0100, 0.0980

Conversions

Conversions Part 2

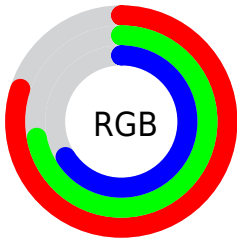
Format	Color
RYB	204, 192, 169
Decimal	13416361
CIELab	75.80, 5.20, 9.84
CIELCh	76, 11.129, 62.124
Yxy	49.5689, 0.3424, 0.3464
Android (android.graphics.Color)	4291606441 (0xFFCCB7A9)
YUV	187.6830, -9.2107, 14.3100
Hunter-Lab	70.4052, 1.0137, 11.7909

Details

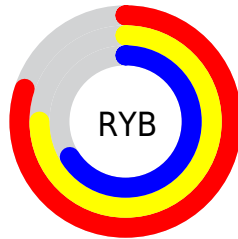
The XYZ color **48.9968, 49.5689, 44.5215** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.6746, 49.6206, 64.2977**, and the grayscale version is **47.6651, 50.1474, 54.6105**.

A 20% lighter version of the original color is **85.5610, 88.3748, 83.0695**, and **23.7712, 23.7336, 20.1578** is the 20% darker color. If you saturate the color by 10%, you get **44.8140, 44.0326, 34.4044**, and if you desaturate by 10%, it is **53.7006, 55.6682, 56.2877**.

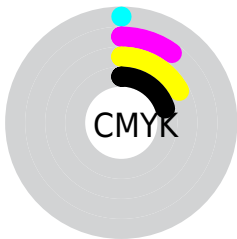
Distribution



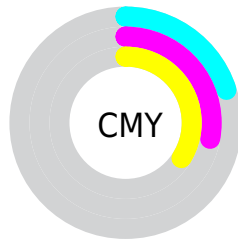
- Red (80%)
- Green (72%)
- Blue (66%)



- Red (80%)
- Yellow (75%)
- Blue (66%)



- Cyan (0%)
- Magenta (10%)
- Yellow (17%)
- Black (20%)




- Cyan (20%)
- Magenta (28%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9968, 49.5689, 44.5215 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 48.9968, 49.5689, 44.5215 by changing the saturation by 10% instead.


 48.9968, 49.5689,
44.5215

 48.9968, 49.5689,
44.5215


373.2469,
384.9777, 380.9356

 34.8315, 35.0710,
30.7405

 87.8875, 89.5358,
83.3127

 23.6990, 23.7176,
20.1445


113.3435,
115.7736, 109.1600

 15.2340, 15.1242,
12.3150


143.2938,
146.6934, 139.8665

 9.0712, 8.9066,
6.8335

178.1037,
182.6798, 175.8507

 4.8451, 4.6803,
3.2813

218.1386,
224.1170, 217.5312

 2.1905, 2.0609,
1.2400

263.7639,

 0.7377, 0.6425,

271.3894, 265.3265

0.0118

315.3449,
324.8815, 319.6551

0.0000, 0.0000,
0.0000

48.9968, 49.5689,
44.5215

48.9968, 49.5689,
44.5215

44.8140, 44.0326,
34.4044

53.7006, 55.6682,
56.2877

41.1289, 39.0359,
25.8586

58.9397, 62.3397,
69.7696

37.9221, 34.5636,
18.8047

64.7328, 69.6008,
85.0340

35.1713, 30.5971,
13.1551

71.0963, 77.4662,
102.1433

32.8521, 27.1165,
8.8129

75.3613, 84.8759,
107.0185

■ 30.9376, 24.1004,
5.6686

■ 78.7121, 91.5775,
108.1354

■ 29.3969, 21.5253,
3.5945

■ 28.1904, 19.3632,
2.4183

■ 27.8909, 18.8152,
2.1617

Harmonies

Analogous

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



50.5609, 49.5689, 48.1420



48.9968, 49.5689, 44.5215



46.9666, 49.5689, 43.3765

Triad

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



48.9968, 49.5689, 44.5215



43.2521, 49.5689, 54.3952



49.2593, 49.5689, 64.1986

Complementary

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



48.9968, 49.5689, 44.5215



45.6746, 49.6206, 64.2977

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.



47.2613, 49.5689, 66.1663



48.9968, 49.5689, 44.5215



43.8269, 49.5689, 60.2548

Square

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



48.9968, 49.5689, 44.5215



43.6866, 49.5689, 48.8225



45.2796, 49.5689, 64.6735



50.7156, 49.5689, 59.4716

Rectangle

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



48.9968, 49.5689, 44.5215



45.6325, 49.5689, 44.0983



45.2796, 49.5689, 64.6735



48.6267, 49.5689, 65.2196

Sweetspot

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



48.9981, 49.5711, 44.5225



90.6729, 94.4225, 97.6478



48.3847, 44.9317, 54.8384



19.2800, 20.0467, 20.5748



0.0000, 0.0000, 0.0000



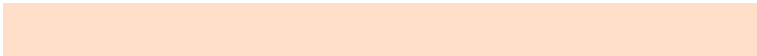
20.3446, 21.4041, 23.3091

Same Dimension

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



48.9981, 49.5711, 44.5225



78.1901, 78.2072, 66.5107



52.8341, 57.2431, 45.8012



11.5746, 11.9381, 11.7737



17.6403, 12.0136, 1.3891



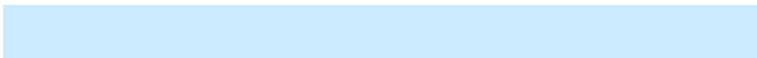
0.9837, 0.7671, 0.0962

Inverse Universe

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



45.6746, 49.6206, 64.2977



71.5603, 78.3035, 105.9502



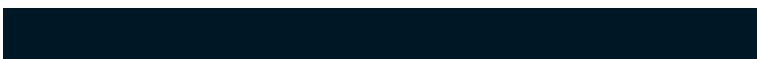
42.1098, 42.4911, 63.1095



11.1521, 11.9445, 14.2881



11.3629, 11.7499, 37.6253



0.6592, 0.7522, 1.9654

Previews

White Background



This preview shows how the XYZ color 48.9968, 49.5689, 44.5215 looks on a white background.

Color Contrast Check

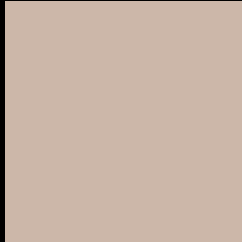
Large Text (above 18pt) WCAG AA × Fail

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 48.9968, 49.5689, 44.5215 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

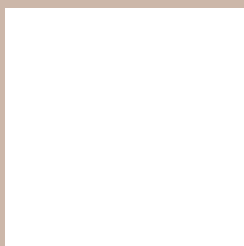
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.9968, 49.5689, 44.5215

Background



This preview shows how black text looks on a background with the XYZ color 48.9968, 49.5689, 44.5215.



This preview shows how white text looks on a background with the XYZ color 48.9968, 49.5689,

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

48.9968, 49.5689, 44.5215

Protanopia

47.1577, 49.5274, 45.6023

Deuteranopia

50.4409, 49.3937, 44.9056



Tritanopia

51.4779, 49.3559, 57.2655

Trichromacy



Original Color

48.9968, 49.5689, 44.5215

Protanomaly

47.8934, 49.6060, 45.0809

Deuteranomaly

49.7920, 49.3599, 44.9333

Tritanomaly

50.4266, 49.2250, 52.1910

Monochromacy



Original Color

48.9968, 49.5689, 44.5215

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.1475, 49.9233, 50.8146

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9968, 49.5689, 44.5215 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, 183, 169) looks like.

```
.text, #text, p{  
    color:rgb(204, 183, 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, 183, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 183, 169) }
```

Border

The CSS property to change the border of an element to XYZ 48.9968, 49.5689, 44.5215 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, 183, 169) }
```


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

```
.border{ border-color:rgb(204, 183, 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, 183, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 183, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 183, 169);  
box-shadow:4px 4px 4px 4px rgb(204, 183,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9968, 49.5689, 44.5215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 183, 169) }
```

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

```
.background{ background-color: rgb(204,  
183, 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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