

Converting Colors

XYZ(52.0828, 48.6740, 19.9494)

Have a look what the booklet for
XYZ(52.0828, 48.6740, 19.9494)
contains.

XYZ(52.0854, 48.7399, 20.0271)	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(52.0854, 48.7399,
20.0271)**

Conversions

Conversions Part 1

Format	Color
Hex	ECAD69
RGB	236, 173, 105
RGB Percent	93%, 68%, 41%
CMY	0.0745, 0.3215, 0.5882
CMYK	0.00, 0.27, 0.56, 0.07
HSL	31°, 78%, 67%
HSV	31°, 56%, 93%
XYZ	52.0854, 48.7399, 20.0271
YIQ	184.0850, 59.3760, -7.7920

Conversions

Conversions Part 2

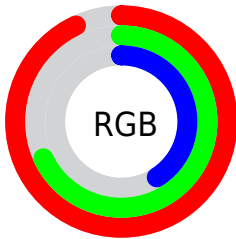
Format	Color
R_{YB}	226, 236, 105
Decimal	15510889
CIE _{Lab}	75.29, 15.67, 43.65
CIE _{LCh}	75, 46.383, 70.249
Yxy	48.7399, 0.4310, 0.4033
Android (android.graphics.Color)	4293700969 (0xFFECAD69)
YUV	184.0850, -38.9889, 45.5295
Hunter-Lab	69.8140, 10.9972, 31.8616

Details

The XYZ color **52.0854, 48.7399, 20.0271** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **34.9679, 37.0629, 84.6673**, and the grayscale version is **45.7937, 48.1786, 52.4664**.

A 20% lighter version of the original color is **75.1550, 79.2154, 43.6768**, and **25.6584, 23.2977, 6.7590** is the 20% darker color. If you saturate the color by 10%, you get **48.9523, 44.1531, 13.8062**, and if you desaturate by 10%, it is **55.7422, 53.8358, 28.0838**.

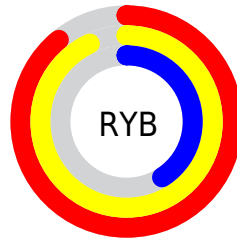
Distribution



Red (93%)

Green (68%)

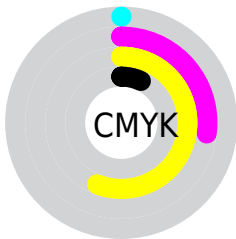
Blue (41%)



Red (89%)

Yellow (93%)

Blue (41%)

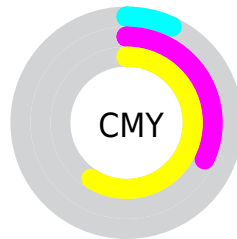


Cyan (0%)

Magenta (27%)

Yellow (56%)

Black (7%)



Cyan (7%)


Magenta (32%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.0854, 48.7399, 20.0271 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 52.0854, 48.7399, 20.0271 by changing the saturation by 10% instead.


 52.0854, 48.7399,
20.0271


 52.0854, 48.7399,
20.0271


385.0848,
381.7175, 264.6709


 37.2977, 34.4132,
12.2305

 92.4307, 88.3050,
44.3222


 25.6128, 23.2112,
6.7764


 118.7189,
114.3122, 61.6577

 16.6654, 14.7495,
3.2463


 149.5714,
144.9817, 83.0100

 10.0900, 8.6438,
1.2218

 185.3535,
180.6979, 108.7975

 5.5214, 4.5096,
0.0000

226.4305,
221.8452, 139.4388

 2.5942, 1.9625,
0.0000

273.1678,

 0.9430, 0.5856,

268.8080, 175.3524

0.0000

325.9308,
321.9706, 216.9569

■ 0.0000, 0.0000,
0.0000

■ 52.0854, 48.7399,
20.0271

■ 52.0854, 48.7399,
20.0271

■ 48.9523, 44.1531,
13.8062

■ 55.7422, 53.8358,
28.0838

■ 46.3063, 40.0477,
9.2660

■ 59.9490, 59.4526,
38.1083

■ 44.1105, 36.4033,
6.2304

■ 64.7342, 65.6104,
50.2237

■ 42.3187, 33.1933,
4.4812

■ 70.1228, 72.3258,
64.5421

■ 41.6147, 31.8783,
3.9598

■ 76.1384, 79.6147,
81.1674

■ 82.8032, 87.4921,
100.1971

■ 87.5926, 94.9542,
108.3191

■ 88.4019, 96.5728,
108.5889

Harmonies

Analogous

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



59.9882, 48.7399, 28.1611



52.0854, 48.7399, 20.0271



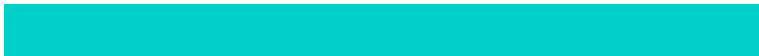
43.4717, 48.7399, 18.9949

Triad

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



52.0854, 48.7399, 20.0271



32.0026, 48.7399, 61.8626



57.7372, 48.7399, 97.5373

Complementary

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



52.0854, 48.7399, 20.0271



34.9679, 37.0629, 84.6673

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.



49.3022, 48.7399, 113.9212



52.0854, 48.7399, 20.0271



34.9133, 48.7399, 89.5216

Square

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



52.0854, 48.7399, 20.0271



32.5546, 48.7399, 38.7409



41.0073, 48.7399, 110.6065



63.5181, 48.7399, 70.5559

Rectangle

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



52.0854, 48.7399, 20.0271



38.5535, 48.7399, 21.9820



41.0073, 48.7399, 110.6065



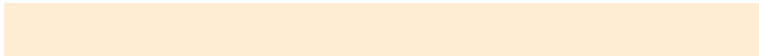
55.0783, 48.7399, 104.7920

Sweetspot

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



52.0866, 48.7423, 20.0280



82.5463, 84.9293, 74.0985



46.7412, 30.7753, 40.6777



17.3832, 17.8256, 15.0949



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.



52.0866, 48.7423, 20.0280



57.7596, 51.7294, 15.3588



66.4165, 78.4719, 25.0112



15.7124, 16.3477, 15.8460



23.0694, 17.8331, 2.2262



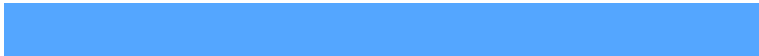
1.9078, 1.5929, 0.2069

Inverse Universe

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



34.9679, 37.0629, 84.6673



35.4117, 36.4960, 99.7858



26.2777, 19.2969, 81.6962



14.8289, 15.7442, 19.1796



11.7588, 10.1647, 45.0852



1.0192, 0.9899, 3.5722

Previews

White Background



This preview shows how the XYZ color 52.0854, 48.7399, 20.0271 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 52.0854, 48.7399, 20.0271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

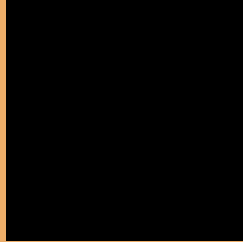
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.0854, 48.7399, 20.0271

Background



This preview shows how black text looks on a background with the XYZ color 52.0854, 48.7399, 20.0271.



This preview shows how white text looks on a background with the XYZ color 52.0854, 48.7399,

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

52.0854, 48.7399, 20.0271

Protanopia

45.0020, 48.9401, 21.8264

Deuteranopia

49.8994, 48.7747, 19.8812



Tritanopia

57.8292, 48.6025, 47.9283

Trichromacy



Original Color

52.0854, 48.7399, 20.0271

Protanomaly

47.2550, 48.5775, 21.0732

Deuteranomaly

50.6572, 48.8731, 19.8602

Tritanomaly

55.3398, 48.3971, 35.7030

Monochromacy



Original Color

52.0854, 48.7399, 20.0271

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.8663, 47.7056, 37.7483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.0854, 48.7399, 20.0271 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(236, 173, 105)` looks like.

```
.text, #text, p{  
    color:rgb(236, 173, 105)  
}
```

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(236, 173, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 173, 105) }
```

Border

The CSS property to change the border of an element to XYZ 52.0854, 48.7399, 20.0271 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(236, 173, 105) }
```


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

```
.border{ border-color:rgb(236, 173, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 173, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 173, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 173, 105);  
box-shadow:4px 4px 4px 4px rgb(236, 173,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 52.0854, 48.7399, 20.0271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 173, 105) }
```

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

```
.background{ background-color: rgb(236,  
173, 105) }
```

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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