

Converting Colors

XYZ(51.7429, 48.2972, 19.1655)

Have a look what the booklet for
XYZ(51.7429, 48.2972, 19.1655)
contains.

XYZ(51.7429, 48.2972, 19.1655)	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(51.7429, 48.2972,
19.1655)**

Conversions

Conversions Part 1

Format	Color
Hex	ECAC66
RGB	236, 172, 102
RGB Percent	93%, 67%, 40%
CMY	0.0745, 0.3255, 0.6000
CMYK	0.00, 0.27, 0.57, 0.07
HSL	31°, 78%, 66%
HSV	31°, 57%, 93%
XYZ	51.7429, 48.2972, 19.1655
YIQ	183.1560, 60.6140, -8.2020

Conversions

Conversions Part 2

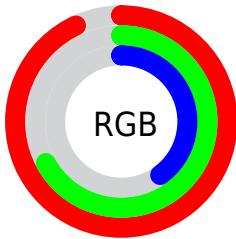
Format	Color
RYB	225, 236, 102
Decimal	15510630
CIELab	75.01, 15.97, 44.83
CIELCh	75, 47.591, 70.392
Yxy	48.2972, 0.4341, 0.4052
Android (android.graphics.Color)	4293700710 (0xFFECAC66)
YUV	183.1560, -40.0099, 46.3442
Hunter-Lab	69.4962, 11.2826, 32.2965

Details

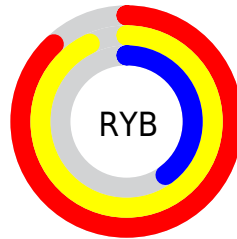
The XYZ color **51.7429, 48.2972, 19.1655** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **34.2554, 36.1518, 84.5292**, and the grayscale version is **45.2859, 47.6443, 51.8846**.

A 20% lighter version of the original color is **74.5418, 78.5313, 41.8011**, and **25.4678, 23.0280, 6.3514** is the 20% darker color. If you saturate the color by 10%, you get **48.6803, 43.7861, 13.1694**, and if you desaturate by 10%, it is **55.3229, 53.3102, 26.9783**.

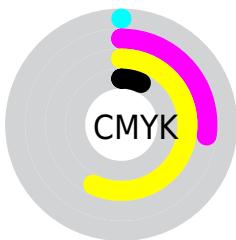
Distribution



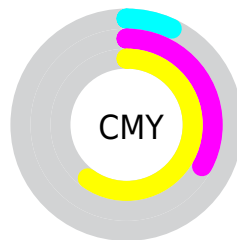
- Red (93%)
- Green (67%)
- Blue (40%)



- Red (88%)
- Yellow (93%)
- Blue (40%)



- Cyan (0%)
- Magenta (27%)
- Yellow (57%)
- Black (7%)





- Cyan (7%)
- Magenta (33%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.7429, 48.2972, 19.1655 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 51.7429, 48.2972, 19.1655 by changing the saturation by 10% instead.


 51.7429, 48.2972,
19.1655


 51.7429, 48.2972,
19.1655


383.7835,
379.9689, 259.8140

 37.0236, 34.0623,
11.6119


 91.9284, 87.6467,
42.8540


 25.3995, 22.9415,
6.3607


 118.1254,
113.5302, 59.8260

 16.5053, 14.5503,
2.9933


 148.8790,
144.0652, 80.7745

 9.9755, 8.5044,
1.0912

 184.5545,
179.6363, 106.1181

 5.4449, 4.4194,
0.0000

225.5174,
220.6279, 136.2753

 2.5480, 1.9108,
0.0000

272.1330,

 0.9195, 0.5549,

267.4242, 171.6646

0.0000

324.7666,
320.4098, 212.7047

■ 0.0000, 0.0000,
0.0000

■ 51.7429, 48.2972,
19.1655

■ 51.7429, 48.2972,
19.1655

■ 48.6803, 43.7861,
13.1694

■ 55.3229, 53.3102,
26.9783

■ 46.0980, 39.7490,
8.8323

■ 59.4468, 58.8370,
36.7419

■ 43.9583, 36.1655,
5.9741

■ 64.1432, 64.8974,
48.5805

■ 42.2131, 33.0085,
4.3647

■ 69.4374, 71.5082,
62.6074

■ 41.7113, 32.0715,
3.9920

■ 75.3529, 78.6851,
78.9277

■ 81.9121, 86.4430,
97.6393

■ 87.1082, 93.9853,
108.1576

■ 88.4020, 96.5728,
108.5889

Harmonies

Analogous

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



59.8414, 48.2972, 27.2760



51.7429, 48.2972, 19.1655



42.9568, 48.2972, 18.1681

Triad

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



51.7429, 48.2972, 19.1655



31.3550, 48.2972, 61.6993



57.6049, 48.2972, 98.0954

Complementary

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



51.7429, 48.2972, 19.1655



34.2554, 36.1518, 84.5292

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.



48.9852, 48.2972, 115.0857



51.7429, 48.2972, 19.1655



34.3201, 48.2972, 90.0865

Square

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



51.7429, 48.2972, 19.1655



31.8969, 48.2972, 38.1096



40.5237, 48.2972, 111.7643



63.5103, 48.2972, 70.3337

Rectangle

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



51.7429, 48.2972, 19.1655



37.9608, 48.2972, 21.1708



40.5237, 48.2972, 111.7643



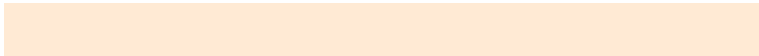
54.8868, 48.2972, 105.5989

Sweetspot

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



51.7441, 48.2996, 19.1664



82.5871, 85.0109, 74.1121



46.2971, 30.1174, 39.8198



17.3928, 17.8448, 15.0981



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.



51.7441, 48.2996, 19.1664



57.5363, 51.4402, 14.7995



66.2488, 78.4030, 24.2125



15.7166, 16.3562, 15.8474



23.1228, 17.9398, 2.2440



1.9120, 1.6012, 0.2083

Inverse Universe

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



34.2554, 36.1518, 84.5292



34.8441, 35.6942, 99.6609



25.6281, 18.5164, 81.5799



14.8247, 15.7357, 19.1782



11.7106, 10.0682, 45.0691



1.0154, 0.9822, 3.5709

Previews

White Background



This preview shows how the XYZ color 51.7429, 48.2972, 19.1655 looks on a white background.

Color Contrast Check

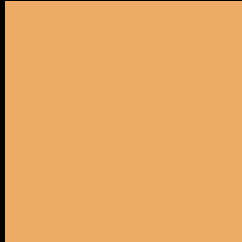
Large Text (above 18pt) WCAG AA × Fail

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 51.7429, 48.2972, 19.1655 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 51.7429, 48.2972, 19.1655

Background



This preview shows how black text looks on a background with the XYZ color 51.7429, 48.2972, 19.1655.



This preview shows how white text looks on a background with the XYZ color 51.7429, 48.2972,

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

51.7429, 48.2972, 19.1655

Protanopia

44.6314, 48.4560, 20.9105

Deuteranopia

49.2383, 48.1590, 19.0124



Tritanopia

57.5516, 48.2062, 47.3457

Trichromacy



Original Color

51.7429, 48.2972, 19.1655

Protanomaly

46.8954, 48.1095, 20.1790

Deuteranomaly

50.3121, 48.4225, 19.0067

Tritanomaly

54.9962, 47.9676, 34.7938

Monochromacy



Original Color

51.7429, 48.2972, 19.1655

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

46.3100, 47.1298, 37.2280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7429, 48.2972, 19.1655 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, 172, 102)` looks like.

```
.text, #text, p{  
    color:rgb(236, 172, 102)  
}
```

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, 172, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 172, 102) }
```

Border

The CSS property to change the border of an element to XYZ 51.7429, 48.2972, 19.1655 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, 172, 102) }
```


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

```
.border{ border-color:rgb(236, 172, 102) }
```

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

Here you see how a box with a 4 pixel rgb(236, 172, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 172, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 172, 102);  
box-shadow:4px 4px 4px 4px rgb(236, 172,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7429, 48.2972, 19.1655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 172, 102) }
```

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

```
.background{ background-color: rgb(236,  
172, 102) }
```

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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