

# Converting Colors

XYZ(49.3689, 50.4372, 34.1650)

Have a look what the booklet for  
XYZ(49.3689, 50.4372, 34.1650)  
contains.

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# **Color**

**XYZ(49.1928, 50.2052,  
34.2920)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D3B892
RGB	211, 184, 146
RGB Percent	83%, 72%, 57%
CMY	0.1725, 0.2784, 0.4274
CMYK	0.00, 0.13, 0.31, 0.17
HSL	35°, 42%, 70%
HSV	35°, 31%, 83%
XYZ	49.1928, 50.2052, 34.2920
YIQ	187.7410, 28.2900, -6.0940

# Conversions

## Conversions Part 2

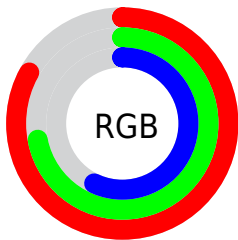
Format	Color
<a href="#">RYB</a>	<a href="#">192, 211, 146</a>
Decimal	<a href="#">13875346</a>
CIELab	<a href="#">76.20, 4.05, 22.88</a>
CIELCh	<a href="#">76, 23.239, 79.961</a>
Yxy	<a href="#">50.2052, 0.3680, 0.3755</a>
Android (android.graphics.Color)	<a href="#">4292065426 (0xFFD3B892)</a>
YUV	<a href="#">187.7410, -20.5783, 20.3981</a>
Hunter-Lab	<a href="#">70.8556, -0.0705, 20.9044</a>

# Details

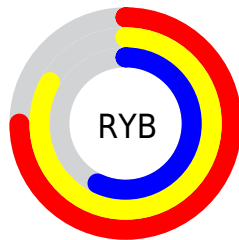
The XYZ color **49.1928, 50.2052, 34.2920** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.5552, 40.7002, 67.4520**, and the grayscale version is **47.7559, 50.2429, 54.7145**.

A 20% lighter version of the original color is **82.8254, 87.7503, 67.2157**, and **23.8922, 24.1267, 14.2241** is the 20% darker color. If you saturate the color by 10%, you get **45.9366, 46.0814, 25.8426**, and if you desaturate by 10%, it is **52.8673, 54.6804, 44.3765**.

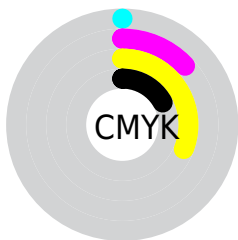
# Distribution



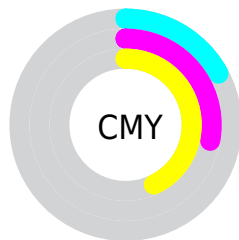
- Red (83%)
- Green (72%)
- Blue (57%)



- Red (75%)
- Yellow (83%)
- Blue (57%)



- Cyan (0%)
- Magenta (13%)
- Yellow (31%)
- Black (17%)




- Cyan (17%)
- Magenta (28%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1928, 50.2052, 34.2920 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 49.1928, 50.2052, 34.2920 by changing the saturation by 10% instead.





 49.1928, 50.2052,  
34.2920


 49.1928, 50.2052,  
34.2920


374.0052,  
387.4679, 336.2409

 34.9876, 35.5765,  
22.8388


 88.1767, 90.4788,  
67.5266

 23.8198, 24.1073,  
14.2704


 113.6862,  
116.8925, 90.1451

 15.3240, 15.4132,  
8.1681


143.6945,  
148.0033, 117.3224

 9.1349, 9.1099,  
4.1134

178.5669,  
184.1957, 149.4772

 4.8871, 4.8129,  
1.6877

218.6688,  
225.8539, 187.0278

 2.2152, 2.1379,  
0.3523

264.3656,

 0.7508, 0.6858,

273.3624, 230.3930

0.0000

316.0226,  
327.1056, 279.9912

■ 0.0000, 0.0000,  
0.0000

■ 49.1928, 50.2052,  
34.2920

■ 49.1928, 50.2052,  
34.2920

■ 45.9366, 46.0814,  
25.8426

■ 52.8673, 54.6804,  
44.3765

■ 43.0761, 42.2913,  
18.9366

■ 56.9737, 59.5101,  
56.1748

■ 40.5923, 38.8257,  
13.4780


■ 61.5296, 64.7063,  
69.7643


■ 38.4626, 35.6723,  
9.3586


■ 66.5502, 70.2780,  
85.2166

■ 36.6614, 32.8172,  
6.4546


■ 72.0501, 76.2341,  
102.5993


 35.1587, 30.2447,  
4.6190

 75.0780, 81.3969,  
106.3619

 33.9928, 28.1065,  
3.6335

 77.6717, 86.5843,  
107.2264

 80.3910, 92.0229,  
108.1329

 80.6741, 92.5889,  
108.2272

# Harmonies

## Analogous

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



53.3092, 50.2052, 38.2870



49.1928, 50.2052, 34.2920



44.9173, 50.2052, 35.0845

# Triad

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



49.1928, 50.2052, 34.2920



40.2745, 50.2052, 63.2650



54.4191, 50.2052, 71.5847

# Complementary

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



49.1928, 50.2052, 34.2920



38.5552, 40.7002, 67.4520

# 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.



50.6338, 50.2052, 80.4387



49.1928, 50.2052, 34.2920



42.5331, 50.2052, 75.1520

# Square

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



49.1928, 50.2052, 34.2920



39.9407, 50.2052, 50.5911



46.2740, 50.2052, 81.8352



56.4457, 50.2052, 58.9518



# Rectangle

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



49.1928, 50.2052, 34.2920



42.5412, 50.2052, 38.2704



46.2740, 50.2052, 81.8352



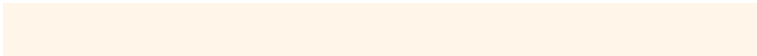
53.2998, 50.2052, 75.1780

# Sweetspot

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



49.1941, 50.2075, 34.2930



88.6069, 92.6777, 89.5997



44.6942, 37.4276, 44.4466



18.7542, 19.5929, 18.5567



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.



49.1941, 50.2075, 34.2930



72.1507, 72.8378, 43.8130



53.8210, 61.7264, 36.2725



12.3748, 12.9402, 12.4575



20.6178, 17.1687, 2.2272



1.2301, 1.1146, 0.1503



# Inverse Universe

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



38.5552, 40.7002, 67.4520



53.2936, 55.9929, 102.6066



34.8773, 31.8809, 65.9436



11.5613, 12.2128, 14.9916



9.2796, 7.2059, 38.0943



0.5964, 0.5579, 2.1558



# Previews

## White Background



This preview shows how the XYZ color 49.1928, 50.2052, 34.2920 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

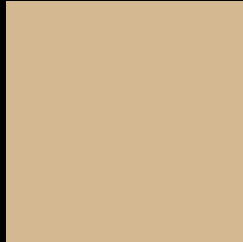
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.1928, 50.2052, 34.2920 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 49.1928, 50.2052, 34.2920**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.1928, 50.2052, 34.2920.



This preview shows how white text looks on a background with the XYZ color 49.1928, 50.2052,



# 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

49.1928, 50.2052, 34.2920

### Protanopia

47.1479, 50.3839, 35.2571

### Deuteranopia

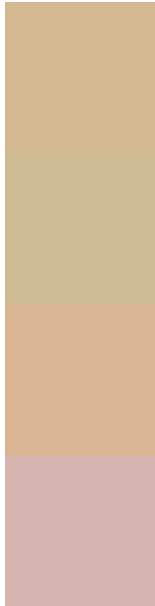
51.1029, 49.9647, 34.5545



## Tritanopia

53.7537, 50.2455, 56.7344

# Trichromacy



## Original Color

49.1928, 50.2052, 34.2920

## Protanomaly

47.9386, 50.4846, 34.8216

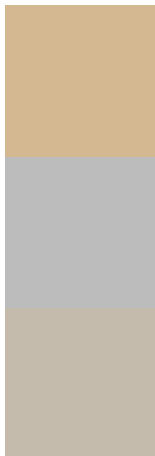
## Deuteranomaly

50.4056, 49.9060, 34.5799

## Tritanomaly

51.7907, 50.0338, 47.4853

# Monochromacy



## Original Color

49.1928, 50.2052, 34.2920

## Achromatopsia

47.7994, 50.2886, 54.7643

## Achromatomaly

48.0781, 50.2935, 46.7088

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.1928, 50.2052, 34.2920 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(211, 184, 146)` looks like.

```
.text, #text, p{  
    color:rgb(211, 184, 146)  
}
```

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(211, 184, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 184, 146) }
```

## Border

The CSS property to change the border of an element to XYZ 49.1928, 50.2052, 34.2920 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(211, 184, 146) }
```



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

```
.border{ border-color:rgb(211, 184, 146) }
```

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

Here you see how a box with a 4 pixel rgb(211, 184, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 184, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 184, 146);  
box-shadow:4px 4px 4px 4px rgb(211, 184,  
146) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.1928, 50.2052, 34.2920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 184, 146) }
```

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

```
.background{ background-color: rgb(211,  
184, 146) }
```

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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