

# Converting Colors

XYZ(52.4806, 58.1923, 32.1757)

Have a look what the booklet for  
XYZ(52.4806, 58.1923, 32.1757)  
contains.

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# Color

**XYZ(52.4496, 58.2197,  
32.1400)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2CB89
RGB	210, 203, 137
RGB Percent	82%, 80%, 54%
CMY	0.1765, 0.2039, 0.4627
CMYK	0.00, 0.03, 0.35, 0.18
HSL	54°, 45%, 68%
HSV	54°, 35%, 82%
XYZ	52.4496, 58.2197, 32.1400
YIQ	197.5690, 25.3580, -19.0420

# Conversions

## Conversions Part 2

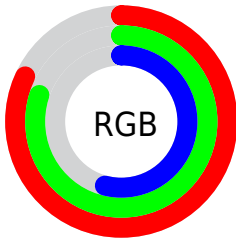
<b>Format</b>	<b>Color</b>
<b>RYB</b>	145, 210, 137
Decimal	13814665
CIELab	80.86, -7.39, 33.84
CIELCh	81, 34.633, 102.319
Yxy	58.2197, 0.3673, 0.4077
Android (android.graphics.Color)	4292004745 (0xFFD2CB89)
YUV	197.5690, -29.8605, 10.9020
Hunter-Lab	76.3018, -10.8280, 28.4370

# Details

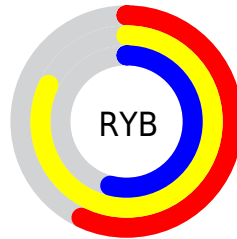
The XYZ color **52.4496, 58.2197, 32.1400** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **31.9224, 29.9170, 65.0647**, and the grayscale version is **53.5808, 56.3712, 61.3882**.

A 20% lighter version of the original color is **86.4040, 96.5416, 63.3706**, and **25.7536, 29.0368, 13.0514** is the 20% darker color. If you saturate the color by 10%, you get **50.6159, 56.7329, 24.8064**, and if you desaturate by 10%, it is **54.5856, 59.8414, 41.0222**.

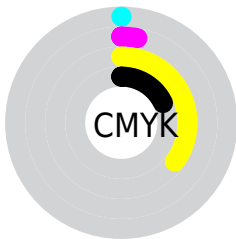
# Distribution



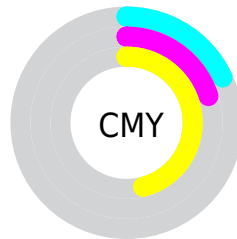
- Red (82%)
- Green (80%)
- Blue (54%)



- Red (57%)
- Yellow (82%)
- Blue (54%)



- Cyan (0%)
- Magenta (3%)
- Yellow (35%)
- Black (18%)




- Cyan (18%)
- Magenta (20%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.4496, 58.2197, 32.1400 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 52.4496, 58.2197, 32.1400 by changing the saturation by 10% instead.





 52.4496, 58.2197,  
32.1400

 52.4496, 58.2197,  
32.1400


386.4654,  
418.0041, 326.2689


 37.5893, 41.9853,  
21.2028


 92.9643, 102.2427,  
64.1310

 25.8398, 29.0898,  
13.0796


 119.3493,  
130.8001, 86.0217

 16.8359, 19.1487,  
7.3520


 150.3067,  
164.2340, 112.4008

 10.2121, 11.7778,  
3.6014

186.2017,  
202.9287, 143.6866

 5.6032, 6.5926,  
1.4093

227.3997,  
247.2687, 180.2978

 2.6437, 3.2086,  
0.1490

274.2661,

 0.9683, 1.2416,

297.6383, 222.6529

0.0000

327.1662,  
354.4220, 271.1704

■ 0.0000, 0.0953,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 52.4496, 58.2197,  
32.1400

■ 52.4496, 58.2197,  
32.1400

■ 50.6159, 56.7329,  
24.8064

■ 54.5856, 59.8414,  
41.0222

■ 49.0631, 55.3662,  
18.9278

■ 57.0352, 61.5965,  
51.5321

■ 47.7737, 54.1147,  
14.4062

■ 59.8146, 63.4933,  
63.7476

■ 46.7265, 52.9698,  
11.1298

■ 62.9374, 65.5375,  
77.7408

■ 45.8969, 51.9216,  
8.9695

■ 66.4165, 67.7343,  
93.5794

■ 45.2549, 50.9582,  
7.7674

■ 68.9486, 69.5623,  
104.4006

■ 44.9656, 50.4761,  
7.3729

■ 69.4644, 70.5938,  
104.5725

■ 69.9865, 71.6380,  
104.7466

■ 70.5150, 72.6949,  
104.9227

# Harmonies

## Analogous

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



59.6247, 58.2197, 32.7509



52.4496, 58.2197, 32.1400



46.5728, 58.2197, 38.4731

# Triad

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



52.4496, 58.2197, 32.1400



45.7656, 58.2197, 93.8240



69.5208, 58.2197, 76.1397

# Complementary

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



52.4496, 58.2197, 32.1400



31.9224, 29.9170, 65.0647

# 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.



65.1350, 58.2197, 97.2528



52.4496, 58.2197, 32.1400



51.2582, 58.2197, 108.8809

# Square

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



52.4496, 58.2197, 32.1400



42.9431, 58.2197, 72.1839



58.3266, 58.2197, 110.2560



69.9097, 58.2197, 55.3435



# Rectangle

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



52.4496, 58.2197, 32.1400



44.0151, 58.2197, 46.7786



58.3266, 58.2197, 110.2560



68.4487, 58.2197, 83.5341

# Sweetspot

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



52.4511, 58.2223, 32.1412



90.4383, 96.9161, 88.4354



40.5814, 33.6163, 30.8564



19.2280, 20.6552, 18.3611



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

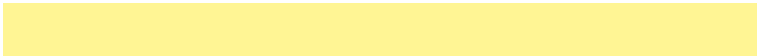


# Same Dimension

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



52.4511, 58.2223, 32.1412



79.1507, 88.5416, 40.8940



46.5714, 57.6990, 32.3501



12.7026, 13.5959, 12.5668



27.4690, 30.8710, 4.5109



1.5647, 1.7837, 0.2618



# Inverse Universe

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



31.9224, 29.9170, 65.0647



42.4991, 38.0155, 99.7055



36.3469, 30.6738, 64.9776



11.2535, 11.5973, 14.8890



7.2830, 3.2127, 37.4287



0.4392, 0.2436, 2.1034



# Previews

## White Background



This preview shows how the XYZ color 52.4496, 58.2197, 32.1400 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 52.4496, 58.2197, 32.1400 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

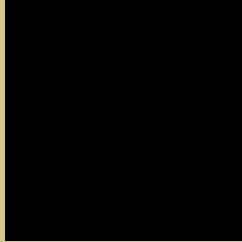
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 52.4496, 58.2197, 32.1400**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.4496, 58.2197, 32.1400.



This preview shows how white text looks on a background with the XYZ color 52.4496, 58.2197,



# 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

52.4496, 58.2197, 32.1400

### Protanopia

53.9458, 58.3026, 31.7028

### Deuteranopia

59.1064, 57.9141, 32.4894



## Tritanopia

59.7139, 58.0924, 68.3873

# Trichromacy



## Original Color

52.4496, 58.2197, 32.1400

## Protanomaly

53.2960, 58.3148, 31.7394

## Deuteranomaly

56.3223, 57.8088, 32.2345

## Tritanomaly

56.5378, 57.7985, 52.9761

# Monochromacy



## Original Color

52.4496, 58.2197, 32.1400

## Achromatopsia

53.6758, 56.4712, 61.4971

## Achromatomaly

52.8479, 56.9997, 49.2910

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.4496, 58.2197, 32.1400 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(210, 203, 137)` looks like.

```
.text, #text, p{  
    color:rgb(210, 203, 137)  
}
```

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(210, 203, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 203, 137) }
```

## Border

The CSS property to change the border of an element to XYZ 52.4496, 58.2197, 32.1400 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(210, 203, 137) }
```



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

```
.border{ border-color:rgb(210, 203, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 203, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 203, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 203, 137);  
box-shadow:4px 4px 4px 4px rgb(210, 203,  
137) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.4496, 58.2197, 32.1400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 203, 137) }
```

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

```
.background{ background-color: rgb(210,  
203, 137) }
```

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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