

# Converting Colors

XYZ(55.0197, 58.9419, 27.8791)

Have a look what the booklet for  
XYZ(55.0197, 58.9419, 27.8791)  
contains.

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# Color

**XYZ(55.0197, 58.9419,  
27.8791)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFC97D
RGB	223, 201, 125
RGB Percent	87%, 79%, 49%
CMY	0.1255, 0.2117, 0.5098
CMYK	0.00, 0.10, 0.44, 0.13
HSL	47°, 60%, 68%
HSV	47°, 44%, 87%
XYZ	55.0197, 58.9419, 27.8791
YIQ	198.9140, 37.5080, -18.9720

# Conversions

## Conversions Part 2

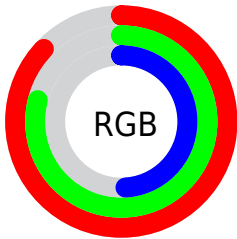
Format	Color
<a href="#">RYB</a>	<a href="#">153, 223, 125</a>
Decimal	<a href="#">14666109</a>
CIELab	<a href="#">81.26, -2.52, 40.69</a>
CIELCh	<a href="#">81, 40.767, 93.539</a>
Yxy	<a href="#">58.9419, 0.3879, 0.4155</a>
Android (android.graphics.Color)	<a href="#">4292856189 (0xFFDFC97D)</a>
YUV	<a href="#">198.9140, -36.4396, 21.1234</a>
Hunter-Lab	<a href="#">76.7736, -6.4321, 32.2113</a>

# Details

The XYZ color **55.0197, 58.9419, 27.8791** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **32.2101, 30.5541, 74.0117**, and the grayscale version is **54.4345, 57.2693, 62.3663**.

A 20% lighter version of the original color is **85.1367, 96.0347, 56.6972**, and **27.3956, 29.4688, 10.7227** is the 20% darker color. If you saturate the color by 10%, you get **52.6047, 56.1415, 20.8176**, and if you desaturate by 10%, it is **57.7954, 61.9518, 36.6400**.

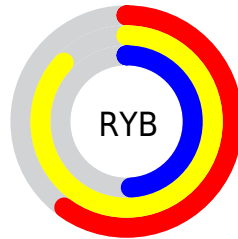
# Distribution



Red (87%)

Green (79%)

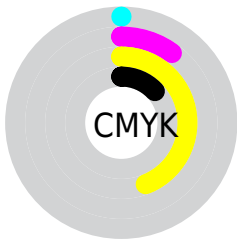
Blue (49%)



Red (60%)

Yellow (87%)

Blue (49%)

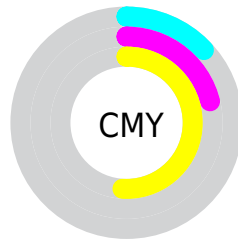


Cyan (0%)

Magenta (10%)

Yellow (44%)

Black (13%)



Cyan (13%)

Magenta (21%)

Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.0197, 58.9419, 27.8791 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 55.0197, 58.9419, 27.8791 by changing the saturation by 10% instead.



■ 55.0197, 58.9419,  
27.8791

■ 55.0197, 58.9419,  
27.8791

396.1218,  
420.6866, 305.7825

■ 39.6514, 42.5664,  
17.9963

■ 96.7180, 103.2932,  
57.3121

■ 27.4498, 29.5450,  
10.7779

■ 123.7787,  
132.0378, 77.6994

■ 18.0497, 19.4935,  
5.8054

■ 155.4675,  
165.6741, 102.4253

■ 11.0856, 12.0274,  
2.6603

192.1499,  
204.5867, 131.9084

■ 6.1921, 6.7623,  
0.9233

234.1912,  
249.1598, 166.5671

■ 3.0040, 3.3139,  
0.0000

281.9567,

■ 1.1559, 1.2977,

299.7779, 206.8199

0.0000

335.8118,  
356.8253, 253.0856

■ 0.0711, 0.1395,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.0197, 58.9419,  
27.8791

■ 55.0197, 58.9419,  
27.8791

■ 52.6047, 56.1415,  
20.8176

■ 57.7954, 61.9518,  
36.6400

■ 50.5242, 53.5330,  
15.3376


■ 60.9476, 65.1714,  
47.2002


■ 48.7547, 51.1086,  
11.3119


■ 64.4960, 68.6115,  
59.6564


■ 47.2679, 48.8563,  
8.5922

■ 68.4579, 72.2795,  
74.0970


 46.0290, 46.7617,  
6.9979


 72.8493, 76.1824,  
90.6050

 45.3655, 45.5563,  
6.4022

 77.0670, 80.0793,  
106.0027

 78.4883, 82.9218,  
106.4765

 79.9499, 85.8450,  
106.9637

 81.4522, 88.8496,  
107.4644

# Harmonies

## Analogous

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



63.6252, 58.9419, 30.7327



55.0197, 58.9419, 27.8791



47.4691, 58.9419, 32.5353

# Triad

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



55.0197, 58.9419, 27.8791



43.4743, 58.9419, 93.6679



71.9647, 58.9419, 87.3753

# Complementary

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



55.0197, 58.9419, 27.8791



32.2101, 30.5541, 74.0117

# 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.



65.5463, 58.9419, 111.6313



55.0197, 58.9419, 27.8791



49.0510, 58.9419, 115.8626

# Square

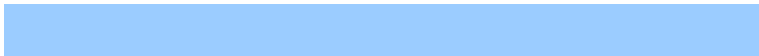
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



55.0197, 58.9419, 27.8791



41.2421, 58.9419, 67.1106



57.0374, 58.9419, 123.1481



73.9695, 58.9419, 61.3316



# Rectangle

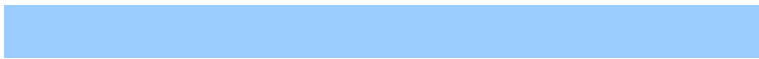
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.0197, 58.9419, 27.8791



43.8792, 58.9419, 40.1867



57.0374, 58.9419, 123.1481



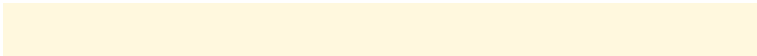
70.2219, 58.9419, 96.2062

# Sweetspot

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



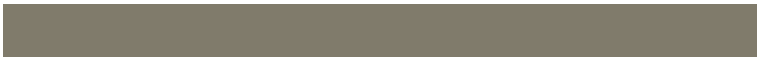
55.0211, 58.9446, 27.8803



87.8370, 93.3905, 82.3985



43.1001, 32.4897, 31.9619



18.5594, 19.7606, 16.7735



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.



55.0211, 58.9446, 27.8803



71.4566, 76.2834, 28.6796



53.0806, 66.1083, 29.3653



14.5972, 15.4804, 14.5254



26.7624, 26.9627, 3.7938



1.9199, 1.9987, 0.2846



# Inverse Universe

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



32.2101, 30.5541, 74.0117



36.7104, 33.0732, 99.0567



33.4407, 26.5877, 73.1813



13.2003, 13.7398, 17.3440



8.5732, 4.6160, 41.4875



0.6611, 0.4536, 2.8980



# Previews

## White Background



This preview shows how the XYZ color 55.0197, 58.9419, 27.8791 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 55.0197, 58.9419, 27.8791 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 55.0197, 58.9419, 27.8791**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.0197, 58.9419, 27.8791.



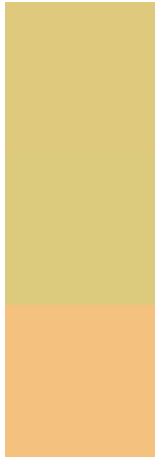
This preview shows how white text looks on a background with the XYZ color 55.0197, 58.9419,



# 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

55.0197, 58.9419, 27.8791

### Protanopia

54.3374, 58.9374, 27.9142

### Deuteranopia

60.2090, 58.9053, 28.2752



## Tritanopia

62.7264, 58.7068, 66.4180

# Trichromacy



## Original Color

55.0197, 58.9419, 27.8791

## Protanomaly

54.6410, 59.0939, 27.9284

## Deuteranomaly

58.0979, 58.8191, 28.0298

## Tritanomaly

59.4458, 58.6985, 49.7918

# Monochromacy



## Original Color

55.0197, 58.9419, 27.8791

## Achromatopsia

54.2854, 57.1125, 62.1955

## Achromatomaly

54.1131, 57.6970, 47.3143

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.0197, 58.9419, 27.8791 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(223, 201, 125)` looks like.

```
.text, #text, p{  
    color:rgb(223, 201, 125)  
}
```

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(223, 201, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 201, 125) }
```

## Border

The CSS property to change the border of an element to XYZ 55.0197, 58.9419, 27.8791 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(223, 201, 125) }
```



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

```
.border{ border-color:rgb(223, 201, 125) }
```

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

Here you see how a box with a 4 pixel rgb(223, 201, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 201, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 201, 125);  
box-shadow:4px 4px 4px 4px rgb(223, 201,  
125) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.0197, 58.9419, 27.8791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 201, 125) }
```

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

```
.background{ background-color: rgb(223,  
201, 125) }
```

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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