

# Converting Colors

XYZ(55.3435, 69.8317, 19.0437)

Have a look what the booklet for  
XYZ(55.3435, 69.8317, 19.0437)  
contains.

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# Color

**XYZ(55.3517, 69.9441,  
18.9707)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CFE554
RGB	207, 229, 84
RGB Percent	81%, 90%, 33%
CMY	0.1882, 0.1019, 0.6706
CMYK	0.10, 0.00, 0.63, 0.10
HSL	69°, 74%, 61%
HSV	69°, 63%, 90%
XYZ	55.3517, 69.9441, 18.9707
YIQ	205.8920, 33.4330, -49.7590

# Conversions

## Conversions Part 2

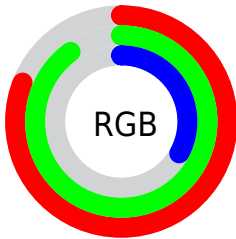
<b>Format</b>	<b>Color</b>
<b>RYB</b>	84, 229, 106
Decimal	13624660
CIELab	86.97, -26.29, 65.83
CIELCh	87, 70.885, 111.771
Yxy	69.9441, 0.3837, 0.4848
Android (android.graphics.Color)	4291814740 (0xFFCFE554)
YUV	205.8920, -60.0928, 0.9717
Hunter-Lab	83.6326, -28.2179, 45.0938

# Details

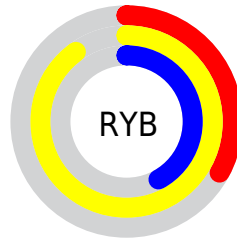
The XYZ color **55.3517, 69.9441, 18.9707** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **23.2594, 15.0636, 75.8146**, and the grayscale version is **58.9563, 62.0266, 67.5469**.

A 20% lighter version of the original color is **81.7336, 94.6734, 38.7769**, and **27.6567, 36.7122, 6.2903** is the 20% darker color. If you saturate the color by 10%, you get **53.6376, 69.1500, 14.9499**, and if you desaturate by 10%, it is **57.3836, 70.8728, 24.5391**.

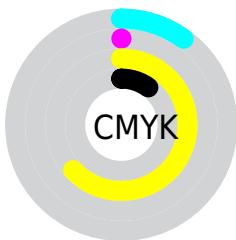
# Distribution



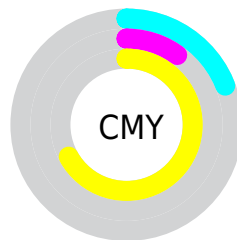
- Red (81%)
- Green (90%)
- Blue (33%)



- Red (33%)
- Yellow (90%)
- Blue (42%)



- Cyan (10%)
- Magenta (0%)
- Yellow (63%)
- Black (10%)




- Cyan (19%)
- Magenta (10%)
- Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.3517, 69.9441, 18.9707 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 55.3517, 69.9441, 18.9707 by changing the saturation by 10% instead.





 55.3517, 69.9441,  
18.9707


 55.3517, 69.9441,  
18.9707


397.3585,  
460.3537, 258.7043


 39.9183, 51.4810,  
11.4725


 97.2014, 119.1290,  
42.5206


 27.6588, 36.5915,  
6.2674


 124.3484,  
150.6196, 59.4094

 18.2078, 24.8914,  
2.9370


 156.1307,  
187.2215, 80.2655

 11.1998, 15.9962,  
1.0625

 192.9136,  
229.3190, 105.5075

 6.2697, 9.5214,  
0.0000

235.0625,  
277.2966, 135.5538

 3.0520, 5.0828,  
0.0000

282.9427,

 1.1813, 2.2959,

331.5387, 170.8230

0.0000

336.9196,  
392.4296, 211.7336

■ 0.0915, 0.7716,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.3517, 69.9441,  
18.9707

■ 55.3517, 69.9441,  
18.9707

■ 53.6376, 69.1500,  
14.9499

■ 57.3836, 70.8728,  
24.5391

■ 52.2065, 68.4691,  
12.3153


■ 59.7543, 71.9370,  
31.7866


■ 51.0237, 67.8899,  
10.8782


■ 62.4885, 73.1491,  
40.8356


■ 50.3335, 67.5443,  
10.3845


■ 65.6073, 74.5175,  
51.7960

 69.1300, 76.0500,  
64.7690

 73.0746, 77.7539,  
79.8484

 77.4579, 79.6357,  
97.1224

 80.2670, 80.8905,  
105.9906

 81.4245, 81.4872,  
106.0448

# Harmonies

## Analogous

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



71.1438, 69.9441, 16.8508



55.3517, 69.9441, 18.9707



44.4661, 69.9441, 32.5063

# Triad

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



55.3517, 69.9441, 18.9707



48.6531, 69.9441, 172.6432



103.2499, 69.9441, 89.9743

# Complementary

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



55.3517, 69.9441, 18.9707



23.2594, 15.0636, 75.8146

# 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.



94.7718, 69.9441, 147.7025



55.3517, 69.9441, 18.9707



62.0242, 69.9441, 206.8179

# Square

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



55.3517, 69.9441, 18.9707



41.0696, 69.9441, 115.2498



79.0075, 69.9441, 196.1691



100.6646, 69.9441, 47.0859



# Rectangle

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



55.3517, 69.9441, 18.9707



40.5831, 69.9441, 51.0370



79.0075, 69.9441, 196.1691



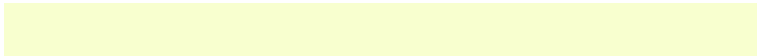
101.5552, 69.9441, 108.4057

# Sweetspot

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



55.3533, 69.9473, 18.9722



85.5539, 95.8950, 72.7439



39.0441, 27.5567, 11.6495



18.0425, 20.4080, 14.5868



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.



55.3533, 69.9473, 18.9722



67.8427, 87.9613, 17.8457



39.5736, 61.8125, 18.2337



15.3754, 16.7006, 15.3176



28.8588, 38.6588, 5.9409



2.1910, 2.8869, 0.4417



# Inverse Universe

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



23.2594, 15.0636, 75.8146



24.0057, 12.7833, 95.8099



35.7330, 21.4940, 76.3983



13.7854, 13.9916, 18.1184



8.5406, 3.4687, 42.6026



0.6944, 0.2890, 3.1511



# Previews

## White Background



This preview shows how the XYZ color 55.3517, 69.9441, 18.9707 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 55.3517, 69.9441, 18.9707 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 55.3517, 69.9441, 18.9707

## Background



This preview shows how black text looks on a background with the XYZ color 55.3517, 69.9441, 18.9707.



This preview shows how white text looks on a background with the XYZ color 55.3517, 69.9441,



# 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

55.3517, 69.9441, 18.9707

### Protanopia

63.5188, 69.7916, 17.9079

### Deuteranopia

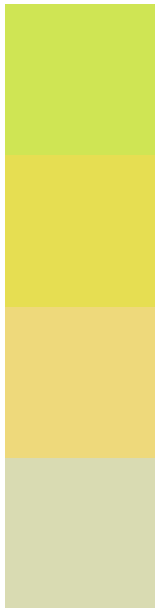
69.3974, 69.3975, 36.5255



## Tritanopia

68.5946, 69.3923, 85.3800

# Trichromacy



**Original Color**

55.3517, 69.9441, 18.9707

**Protanomaly**

60.2774, 69.6747, 18.2543

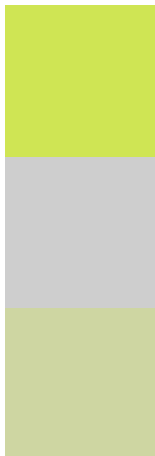
**Deuteranomaly**

63.6479, 69.2329, 28.7476

**Tritanomaly**

61.9827, 68.6291, 52.0994

# Monochromacy



**Original Color**

55.3517, 69.9441, 18.9707

**Achromatopsia**

58.6655, 61.7207, 67.2138

**Achromatomaly**

56.0218, 63.8236, 43.5489

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.3517, 69.9441, 18.9707 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(207, 229, 84)` looks like.

```
.text, #text, p{  
    color:rgb(207, 229, 84)  
}
```

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(207, 229, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 229, 84) }
```

## Border

The CSS property to change the border of an element to XYZ 55.3517, 69.9441, 18.9707 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(207, 229, 84) }
```



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

```
.border{ border-color:rgb(207, 229, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 229, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 229, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 229, 84);  
box-shadow:4px 4px 4px 4px rgb(207, 229,  
84) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.3517, 69.9441, 18.9707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 229, 84) }
```

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

```
.background{ background-color: rgb(207,  
229, 84) }
```

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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