

# Converting Colors

XYZ(55.9835, 63.4962, 9.4230)

Have a look what the booklet for  
XYZ(55.9835, 63.4962, 9.4230)  
contains.

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# **Color**

**XYZ(55.9493, 63.4203,  
9.4074)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6D304
RGB	230, 211, 4
RGB Percent	90%, 83%, 2%
CMY	0.0980, 0.1725, 0.9842
CMYK	0.00, 0.08, 0.98, 0.10
HSL	55°, 97%, 46%
HSV	55°, 98%, 90%
XYZ	55.9493, 63.4203, 9.4074
YIQ	193.0830, 77.7710, -60.3490

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	25, 230, 4
Decimal	15127300
CIE Lab	83.66, -10.54, 83.42
CIE LCh	84, 84.080, 97.203
Yxy	63.4203, 0.4345, 0.4925
Android (android.graphics.Color)	4293317380 (0xFFE6D304)
YUV	193.0830, -93.2179, 32.3762
Hunter-Lab	79.6369, -13.9584, 48.7420

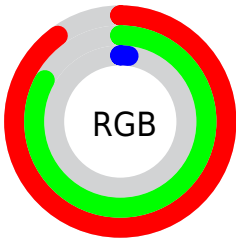
# Details

The XYZ color **55.9493, 63.4203, 9.4074** is a light color, and the websafe version is hex **CCCC00**.

The color can be described as light washed yellow. A complement of this color would be **14.6400, 6.3527, 75.3168**, and the grayscale version is **51.2400, 53.9084, 58.7063**.

A 20% lighter version of the original color is **78.7615, 93.4846, 23.1257**, and **28.6345, 32.6600, 4.7948** is the 20% darker color. If you saturate the color by 10%, you get **55.8446, 63.2465, 9.2645**, and if you desaturate by 10%, it is **56.6100, 64.4601, 10.4970**.

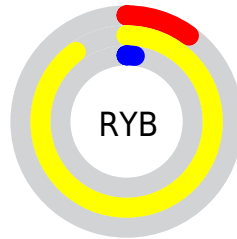
# Distribution



Red (90%)

Green (83%)

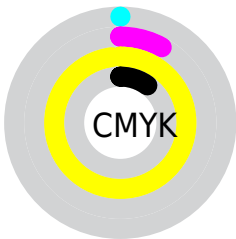
Blue (2%)



Red (10%)

Yellow (90%)

Blue (2%)

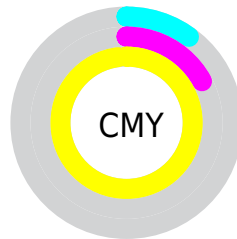


Cyan (0%)

Magenta (8%)

Yellow (98%)

Black (10%)



Cyan (10%)

Magenta (17%)


Yellow (98%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.9493, 63.4203, 9.4074 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 55.9493, 63.4203, 9.4074 by changing the saturation by 10% instead.





 55.9493, 63.4203,  
9.4074


 55.9493, 63.4203,  
9.4074


399.5785,  
437.0932, 196.7173


 40.3991, 46.1813,  
4.9074


 98.0707, 109.7757,  
25.2649

 28.0355, 32.3889,  
2.1353


 125.3726,  
139.6608, 37.4595


 18.4930, 21.6587,  
0.6366


 157.3225,  
174.5301, 53.0561

 11.4063, 13.6064,  
0.0000

 194.2856,  
214.7680, 72.4732

 6.4101, 7.8474,  
0.0000

 236.6275,  
260.7589, 96.1293

 3.1390, 3.9975,  
0.0000

 284.7133,

 1.2277, 1.6721,

312.8871, 124.4430

0.0000

338.9086,  
371.5371, 157.8328

■ 0.1281, 0.4055,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.9493, 63.4203,  
9.4074

■ 55.9493, 63.4203,  
9.4074

■ 55.8446, 63.2465,  
9.2645

■ 56.6100, 64.4601,  
10.4970

■ 57.4772, 65.5894,  
12.6514

■ 58.5991, 66.8298,  
16.1191

■ 60.0089, 68.1947,  
21.0731

■ 61.7342, 69.6953,  
27.6602

■ 63.7997, 71.3412,  
36.0096

■ 66.2274, 73.1415,  
46.2375

■ 69.0376, 75.1043,  
58.4502

■ 72.2489, 77.2370,  
72.7461

# Harmonies

## Analogous

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



75.0597, 63.4203, 11.4208



55.9493, 63.4203, 9.4074



41.3110, 63.4203, 15.6942

# Triad

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



55.9493, 63.4203, 9.4074



36.2540, 63.4203, 150.2655



99.1501, 63.4203, 116.2478

# Complementary

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



55.9493, 63.4203, 9.4074



14.6400, 6.3527, 75.3168

# 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.



84.3124, 63.4203, 185.3473



55.9493, 63.4203, 9.4074



47.5786, 63.4203, 210.9937

# Square

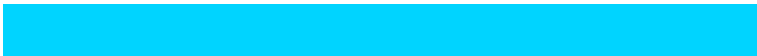
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



55.9493, 63.4203, 9.4074



31.5414, 63.4203, 82.5592



64.8267, 63.4203, 226.3409



102.6541, 63.4203, 57.1082



# Rectangle

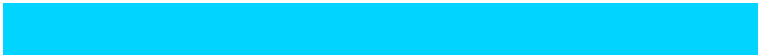
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.9493, 63.4203, 9.4074



35.1534, 63.4203, 27.4140



64.8267, 63.4203, 226.3409



95.1948, 63.4203, 139.7994

# Sweetspot

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



55.9507, 63.4233, 9.4087



83.3947, 92.2165, 57.1472



32.8701, 16.9877, 2.5608



17.5598, 19.5257, 11.0017



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.



55.9507, 63.4233, 9.4087



70.5398, 79.8596, 11.6966



39.0683, 62.1436, 10.0515



15.4926, 16.5990, 15.2918



31.6607, 35.8955, 5.2598



2.3703, 2.7140, 0.3989



# Inverse Universe

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



14.6400, 6.3527, 75.3168



18.3262, 7.7724, 95.1421



18.9854, 8.2023, 75.4448



13.6797, 14.0808, 18.1412



8.2571, 3.5762, 42.6383

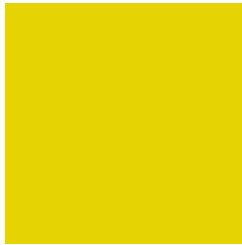


0.6441, 0.3321, 3.1621



# Previews

## White Background



This preview shows how the XYZ color 55.9493, 63.4203, 9.4074 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 55.9493, 63.4203, 9.4074 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 55.9493, 63.4203, 9.4074**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.9493, 63.4203, 9.4074.



This preview shows how white text looks on a background with the XYZ color 55.9493, 63.4203,



# 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

55.9493, 63.4203, 9.4074

### Protanopia

57.0614, 63.2631, 9.2035

### Deuteranopia

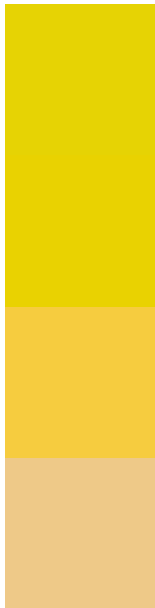
64.0056, 63.4131, 19.9328



## Tritanopia

68.4599, 63.2377, 70.2259

# Trichromacy



## Original Color

55.9493, 63.4203, 9.4074

## Protanomaly

56.6563, 63.4190, 9.2837

## Deuteranomaly

60.4961, 63.1374, 13.7009

## Tritanomaly

60.5905, 61.7280, 32.0138

# Monochromacy



## Original Color

55.9493, 63.4203, 9.4074

## Achromatopsia

50.6879, 53.3276, 58.0738

## Achromatomaly

49.7460, 55.8856, 27.2339

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.9493, 63.4203, 9.4074 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(230, 211, 4)` looks like.

```
.text, #text, p{  
    color:rgb(230, 211, 4)  
}
```

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(230, 211, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 211, 4) }
```

## Border

The CSS property to change the border of an element to XYZ 55.9493, 63.4203, 9.4074 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(230, 211, 4) }
```



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

```
.border{ border-color:rgb(230, 211, 4) }
```

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

Here you see how a box with a 4 pixel rgb(230, 211, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 211, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 211, 4);  
box-shadow:4px 4px 4px 4px rgb(230, 211,  
4) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.9493, 63.4203, 9.4074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 211, 4) }
```

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

```
.background{ background-color: rgb(230,  
211, 4) }
```

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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