

# Converting Colors

XYZ(53.9060, 59.8437, 8.7098)

Have a look what the booklet for  
XYZ(53.9060, 59.8437, 8.7098)  
contains.

<b>XYZ(53.9060, 59.8437, 8.7098)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(53.9060, 59.8437,  
8.7098)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5CC00
RGB	229, 204, 0
RGB Percent	90%, 80%, 0%
CMY	0.1020, 0.2000, 0.9999
CMYK	0.00, 0.11, 1.00, 0.10
HSL	53°, 100%, 45%
HSV	53°, 100%, 90%
XYZ	53.9060, 59.8437, 8.7098
YIQ	188.2190, 80.3840, -58.1440

# Conversions

## Conversions Part 2

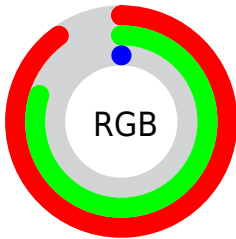
Format	Color
R <sub>Y</sub> B	28, 229, 0
Decimal	15059968
CIE Lab	81.75, -7.47, 82.37
CIE LCh	82, 82.704, 95.185
Yxy	59.8437, 0.4402, 0.4887
Android (android.graphics.Color)	4293250048 (0xFFE5CC00)
YUV	188.2190, -92.7920, 35.7649
Hunter-Lab	77.3587, -10.9933, 47.4756

# Details

The XYZ color **53.9060, 59.8437, 8.7098** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **14.4911, 6.3532, 74.5909**, and the grayscale version is **48.4069, 50.9278, 55.4604**.

A 20% lighter version of the original color is **78.6797, 93.4519, 22.6953**, and **27.2685, 30.2477, 4.4012** is the 20% darker color. If you saturate the color by 10%, you get **53.9066, 59.8453, 8.7101**, and if you desaturate by 10%, it is **54.6600, 61.1059, 9.7203**.

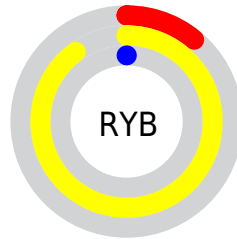
# Distribution



Red (90%)

Green (80%)

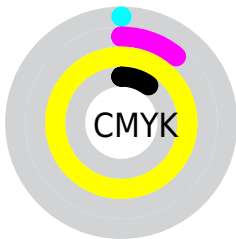
Blue (0%)



Red (11%)

Yellow (90%)

Blue (0%)

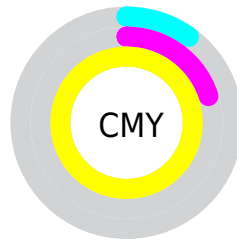


Cyan (0%)

Magenta (11%)

Yellow (100%)

Black (10%)



Cyan (10%)

Magenta (20%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.9060, 59.8437, 8.7098 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 53.9060, 59.8437, 8.7098 by changing the saturation by 10% instead.





 53.9060, 59.8437,  
8.7098


 53.9060, 59.8437,  
8.7098


391.9557,  
424.0214, 191.3357


 38.7569, 43.2927,  
4.4582


 95.0939, 104.6029,  
23.9074

 26.7505, 30.1148,  
1.8799


 121.8634,  
133.5799, 35.6904


 17.5216, 19.9258,  
0.4799


 153.2371,  
167.4676, 50.8209

 10.7046, 12.3411,  
0.0000

 189.5803,  
206.6505, 69.7176

 5.9344, 6.9764,  
0.0000

 231.2584,  
251.5129, 92.7988

 2.8455, 3.4474,  
0.0000

 278.6368,

 1.0726, 1.3695,

302.4393, 120.4832

0.0000

332.0808,  
359.8140, 153.1893

■ 0.0020, 0.1941,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 53.9060, 59.8437,  
8.7098

■ 53.9060, 59.8437,  
8.7098

■ 53.9066, 59.8453,  
8.7101

■ 54.6600, 61.1059,  
9.7203

■ 55.6043, 62.4573,  
11.6913

■ 56.7984, 63.9239,  
14.9302

■ 58.2759, 65.5194,  
19.6141

■ 60.0652, 67.2552,  
25.8919

■ 62.1911, 69.1411,  
33.8941

■ 64.6759, 71.1863,  
43.7376

■ 67.5398, 73.3989,  
55.5291

■ 70.8016, 75.7865,  
69.3674

# Harmonies

## Analogous

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



72.1261, 59.8437, 11.1152



53.9060, 59.8437, 8.7098



39.6805, 59.8437, 14.0006

# Triad

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



53.9060, 59.8437, 8.7098



33.6622, 59.8437, 137.5343



93.0186, 59.8437, 114.2769

# Complementary

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



53.9060, 59.8437, 8.7098



14.4911, 6.3532, 74.5909

# 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.



78.4445, 59.8437, 179.2012



53.9060, 59.8437, 8.7098



43.9491, 59.8437, 196.7627

# Square

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



53.9060, 59.8437, 8.7098



29.6188, 59.8437, 74.2189



59.9607, 59.8437, 214.9806



97.1815, 59.8437, 56.8692



# Rectangle

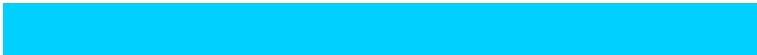
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.9060, 59.8437, 8.7098



33.5747, 59.8437, 24.3048



59.9607, 59.8437, 214.9806



89.0472, 59.8437, 136.6999

# Sweetspot

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



53.9073, 59.8466, 8.7110



82.4800, 90.8020, 55.5626



32.5080, 16.7363, 2.5381



17.3547, 19.1933, 10.6931



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.



53.9073, 59.8466, 8.7110



68.7545, 76.2890, 11.1015



39.0421, 61.7208, 9.8563



15.4602, 16.5343, 15.2810



30.8760, 34.3261, 4.9983



2.3202, 2.6138, 0.3822



# Inverse Universe

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



14.4911, 6.3532, 74.5909



18.4613, 8.0427, 95.1871



18.1484, 7.7225, 74.6624



13.7088, 14.1391, 18.1509



8.3273, 3.7168, 42.6617



0.6580, 0.3599, 3.1667



# Previews

## White Background



This preview shows how the XYZ color 53.9060, 59.8437, 8.7098 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

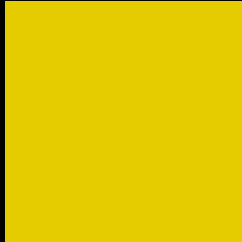
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.9060, 59.8437, 8.7098 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 53.9060, 59.8437, 8.7098**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.9060, 59.8437, 8.7098.



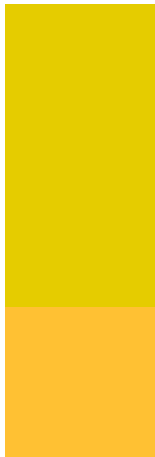
This preview shows how white text looks on a background with the XYZ color 53.9060, 59.8437,



# 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

53.9060, 59.8437, 8.7098

### Protanopia

53.9060, 59.8437, 8.7098

### Deuteranopia

60.9075, 59.6389, 11.4333



## Tritanopia

65.5882, 59.8873, 65.2293

# Trichromacy



## Original Color

53.9060, 59.8437, 8.7098

## Protanomaly

53.9060, 59.8437, 8.7098

## Deuteranomaly

58.2330, 59.6296, 9.8070

## Tritanomaly

58.4694, 58.6464, 29.3573

# Monochromacy



## Original Color

53.9060, 59.8437, 8.7098

## Achromatopsia

47.7994, 50.2886, 54.7643

## Achromatomaly

47.3106, 52.6361, 25.4356

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.9060, 59.8437, 8.7098 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(229, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(229, 204, 0)  
}
```

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(229, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 204, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 53.9060, 59.8437, 8.7098 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(229, 204, 0) }
```



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

```
.border{ border-color:rgb(229, 204, 0) }
```

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

Here you see how a box with a 4 pixel rgb(229, 204, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(229, 204,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.9060, 59.8437, 8.7098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 204, 0) }
```

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

```
.background{ background-color: rgb(229,  
204, 0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor