

# Converting Colors

XYZ(55.0717, 61.9381, 9.0527)

Have a look what the booklet for  
XYZ(55.0717, 61.9381, 9.0527)  
contains.

<b>XYZ(54.8690, 61.7698, 9.0309)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	30

# **Color**

**XYZ(54.8690, 61.7698,  
9.0309)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5D000
RGB	229, 208, 0
RGB Percent	90%, 82%, 0%
CMY	0.1020, 0.1843, 0.9999
CMYK	0.00, 0.09, 1.00, 0.10
HSL	54°, 100%, 45%
HSV	54°, 100%, 90%
XYZ	54.8690, 61.7698, 9.0309
YIQ	190.5670, 79.2840, -60.2360

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	23, 229, 0
Decimal	15060992
CIE Lab	82.79, -9.50, 83.11
CIE LCh	83, 83.649, 96.519
Yxy	61.7698, 0.4366, 0.4915
Android (android.graphics.Color)	4293251072 (0xFFE5D000)
YUV	190.5670, -93.9495, 33.7057
Hunter-Lab	78.5938, -12.9221, 48.2029

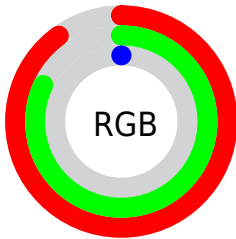
# Details

The XYZ color **54.8690, 61.7698, 9.0309** 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 **14.4116, 6.1943, 74.5642**, and the grayscale version is **49.7682, 52.3600, 57.0201**.

A 20% lighter version of the original color is **78.6797, 93.4519, 22.6953**, and **27.9178, 31.5462, 4.6176** is the 20% darker color. If you saturate the color by 10%, you get **54.8696, 61.7715, 9.0311**, and if you desaturate by 10%, it is **55.5395, 62.8649, 10.0137**.

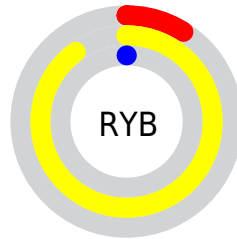
# Distribution



Red (90%)

Green (82%)

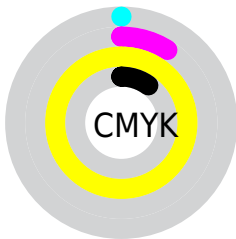
Blue (0%)



Red (9%)

Yellow (90%)

Blue (0%)

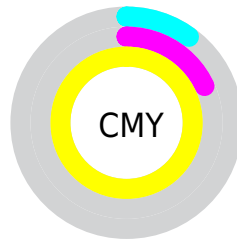


Cyan (0%)

Magenta (9%)

Yellow (100%)

Black (10%)



Cyan (10%)

Magenta (18%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.8690, 61.7698, 9.0309 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 54.8690, 61.7698, 9.0309 by changing the saturation by 10% instead.





 54.8690, 61.7698,  
9.0309


 54.8690, 61.7698,  
9.0309


395.5597,  
431.0909, 193.8348


 39.5303, 44.8467,  
4.6643


 96.4984, 107.3928,  
24.5347


 27.3551, 31.3367,  
1.9964


 123.5199,  
136.8614, 36.5089

 17.9780, 20.8554,  
0.5530


 155.1662,  
171.2807, 51.8561

 11.0338, 13.0183,  
0.0000

 191.8029,  
211.0351, 70.9947

 6.1570, 7.4412,  
0.0000

 233.7952,  
256.5089, 94.3433

 2.9824, 3.7395,  
0.0000

 281.5085,

 1.1444, 1.5289,

308.0865, 122.3205

0.0000

335.3082,  
366.1524, 155.3448

■ 0.0618, 0.3090,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.8690, 61.7698,  
9.0309

■ 54.8690, 61.7698,  
9.0309

■ 54.8696, 61.7715,  
9.0311

■ 55.5395, 62.8649,  
10.0137

■ 56.3974, 64.0435,  
11.9561

■ 57.5024, 65.3318,  
15.1655

■ 58.8879, 66.7433,  
19.8189

■ 60.5825, 68.2894,  
26.0654

■ 62.6108, 69.9801,  
34.0353

■ 64.9950, 71.8242,  
43.8456

■ 67.7556, 73.8300,  
55.6030

■ 70.9111, 76.0049,  
69.4061

# Harmonies

## Analogous

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



73.6033, 61.7698, 11.1632



54.8690, 61.7698, 9.0309



40.4337, 61.7698, 14.9175

# Triad

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



54.8690, 61.7698, 9.0309



35.0631, 61.7698, 145.1368



96.5058, 61.7698, 114.9678

# Complementary

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



54.8690, 61.7698, 9.0309



14.4116, 6.1943, 74.5642

# 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.



81.8009, 61.7698, 182.4561



54.8690, 61.7698, 9.0309



45.9754, 61.7698, 205.2261

# Square

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



54.8690, 61.7698, 9.0309



30.6073, 61.7698, 79.1461



62.7269, 61.7698, 221.5549



100.2316, 61.7698, 56.6221



# Rectangle

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



54.8690, 61.7698, 9.0309



34.3221, 61.7698, 26.0652



62.7269, 61.7698, 221.5549



92.5552, 61.7698, 138.0674

# Sweetspot

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



54.8704, 61.7728, 9.0321



82.8894, 91.6208, 55.6990



32.4670, 16.7200, 2.3227



17.4541, 19.3920, 10.7262



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.



54.8704, 61.7728, 9.0321



69.9900, 78.7600, 11.5133



38.4032, 61.3913, 9.8264



15.4827, 16.5793, 15.2886



31.4191, 35.4123, 5.1793



2.3549, 2.6832, 0.3938



# Inverse Universe

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



14.4116, 6.1943, 74.5642



18.3640, 7.8480, 95.1547



18.5184, 7.9133, 74.6795



13.6886, 14.0985, 18.1442



8.2769, 3.6160, 42.6449



0.6483, 0.3405, 3.1635



# Previews

## White Background



This preview shows how the XYZ color 54.8690, 61.7698, 9.0309 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

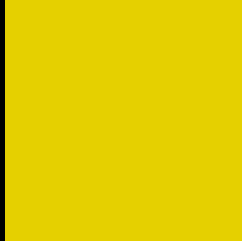
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.8690, 61.7698, 9.0309 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 54.8690, 61.7698, 9.0309**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.8690, 61.7698, 9.0309.



This preview shows how white text looks on a background with the XYZ color 54.8690, 61.7698, 9.0309.



# 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

54.8690, 61.7698, 9.0309

### Deuteranopia

62.6175, 61.7570, 16.0171

### Tritanopia

66.7308, 61.3948, 68.0078

# Trichromacy



## Original Color

54.8690, 61.7698, 9.0309



## Deuteranomaly

59.4684, 61.5964, 11.7726



## Tritanomaly

59.2840, 60.0586, 30.2977

# Monochromacy



## Original Color

54.8690, 61.7698, 9.0309



## Achromatopsia

49.5206, 52.0996, 56.7364



## Achromatomaly

48.6559, 54.3168, 26.3321

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.8690, 61.7698, 9.0309 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, 208, 0)` looks like.

```
.text, #text, p{  
    color:rgb(229, 208, 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, 208, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 208, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 54.8690, 61.7698, 9.0309 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, 208, 0) }
```

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

```
.border{ border-color:rgb(229, 208, 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, 208, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 208, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 208, 0);  
box-shadow:4px 4px 4px 4px rgb(229, 208,  
0) }
```



# Background

The CSS property to change the background color of an element to XYZ 54.8690, 61.7698, 9.0309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 208, 0) }
```

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

```
.background{ background-color: rgb(229,  
208, 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](#).

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