

# Converting Colors

XYZ(53.2858, 61.1668, 8.9979)

Have a look what the booklet for  
XYZ(53.2858, 61.1668, 8.9979)  
contains.

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# **Color**

**XYZ(53.5409, 61.4482,  
9.0388)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0D100
RGB	224, 209, 0
RGB Percent	88%, 82%, 0%
CMY	0.1216, 0.1804, 0.9999
CMYK	0.00, 0.07, 1.00, 0.12
HSL	56°, 100%, 44%
HSV	56°, 100%, 88%
XYZ	53.5409, 61.4482, 9.0388
YIQ	189.6590, 76.0290, -61.8190

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	16, 224, 0
Decimal	14733568
CIELab	82.62, -12.14, 82.79
CIELCh	83, 83.673, 98.345
Yxy	61.4482, 0.4317, 0.4954
Android (android.graphics.Color)	4292923648 (0xFFE0D100)
YUV	189.6590, -93.5019, 30.1171
Hunter-Lab	78.3889, -15.2622, 48.0357

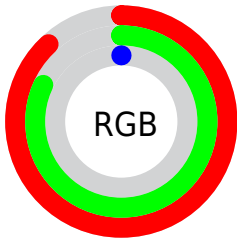
# Details

The XYZ color **53.5409, 61.4482, 9.0388** 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 **13.6259, 5.7241, 70.9071**, and the grayscale version is **49.2407, 51.8050, 56.4157**.

A 20% lighter version of the original color is **78.6797, 93.4519, 22.6953**, and **27.0312, 31.3352, 4.6236** is the 20% darker color. If you saturate the color by 10%, you get **53.5417, 61.4502, 9.0391**, and if you desaturate by 10%, it is **54.0608, 62.2500, 9.9469**.

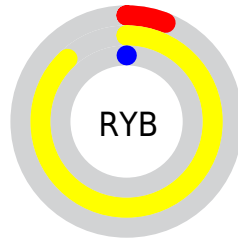
# Distribution



Red (88%)

Green (82%)

Blue (0%)



Red (6%)

Yellow (88%)

Blue (0%)

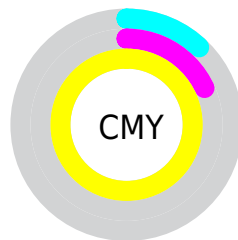


Cyan (0%)

Magenta (7%)

Yellow (100%)

Black (12%)



Cyan (12%)

Magenta (18%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.5409, 61.4482, 9.0388 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 53.5409, 61.4482, 9.0388 by changing the saturation by 10% instead.





 53.5409, 61.4482,  
9.0388


 53.5409, 61.4482,  
9.0388


390.5839,  
429.9154, 193.8958

 38.4640, 44.5870,  
4.6693


 94.5607, 106.9276,  
24.5501

 26.5218, 31.1322,  
1.9993


 121.2342,  
136.3146, 36.5289

 17.3491, 20.6996,  
0.5548


 152.5040,  
170.6457, 51.8814

 10.5806, 12.9046,  
0.0000

 188.7353,  
210.3052, 71.0259

 5.8508, 7.3629,  
0.0000

 230.2937,  
255.6775, 94.3811

 2.7943, 3.6901,  
0.0000

 277.5443,

 1.0460, 1.5017,

307.1471, 122.3654

0.0000

330.8526,  
365.0982, 155.3975

■ 0.0000, 0.2900,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 53.5409, 61.4482,  
9.0388

■ 53.5409, 61.4482,  
9.0388

■ 53.5417, 61.4502,  
9.0391

■ 54.0608, 62.2500,  
9.9469

■ 54.7552, 63.1248,  
11.7635

■ 55.6815, 64.0978,  
14.7832

■ 56.8712, 65.1819,  
19.1736

■ 58.3513, 66.3877,  
25.0755

■ 60.1452, 67.7246,  
32.6125

■ 62.2739, 69.2011,  
41.8954

■ 64.7567, 70.8249,  
53.0252

■ 67.6112, 72.6030,  
66.0954

# Harmonies

## Analogous

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



72.0786, 61.4482, 10.6904



53.5409, 61.4482, 9.0388



39.5146, 61.4482, 15.4913

# Triad

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



53.5409, 61.4482, 9.0388



35.3163, 61.4482, 148.7967



96.6813, 61.4482, 110.3755

# Complementary

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



53.5409, 61.4482, 9.0388



13.6259, 5.7241, 70.9071

# 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.



82.5206, 61.4482, 178.1183



53.5409, 61.4482, 9.0388



46.5797, 61.4482, 207.0971

# Square

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



53.5409, 61.4482, 9.0388



30.4953, 61.4482, 82.2899



63.5544, 61.4482, 219.9390



99.6055, 61.4482, 53.5710



# Rectangle

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



53.5409, 61.4482, 9.0388



33.6912, 61.4482, 27.3045



63.5544, 61.4482, 219.9390



92.9561, 61.4482, 133.2830

# Sweetspot

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



53.5423, 61.4511, 9.0400



83.4742, 92.7905, 55.8940



30.8554, 15.8937, 2.0439



17.5962, 19.6763, 10.7736



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.



53.5423, 61.4511, 9.0400



71.7942, 82.3683, 12.1147



35.9657, 58.1104, 9.3216



14.7891, 15.8642, 14.5894



31.1994, 35.8367, 5.2728



2.1865, 2.5320, 0.3735



# Inverse Universe

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



13.6259, 5.7241, 70.9071



18.2515, 7.6231, 95.1172



18.0043, 7.7277, 71.0630



13.0254, 13.3898, 17.2857



7.9603, 3.3902, 41.2832

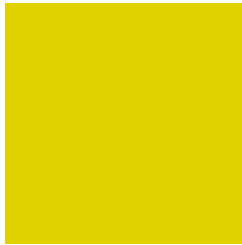


0.5780, 0.2875, 2.8703



# Previews

## White Background



This preview shows how the XYZ color 53.5409, 61.4482, 9.0388 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

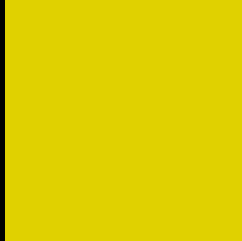
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.5409, 61.4482, 9.0388 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 53.5409, 61.4482, 9.0388**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.5409, 61.4482, 9.0388.



This preview shows how white text looks on a background with the XYZ color 53.5409, 61.4482,



# 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

53.5409, 61.4482, 9.0388

### Protanopia

55.3500, 61.2984, 8.9145

### Deuteranopia

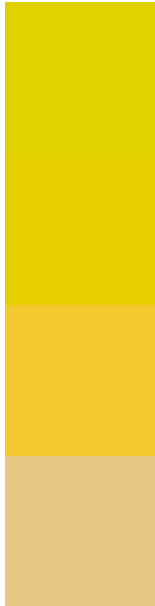
62.2499, 61.2479, 15.1977



## Tritanopia

65.7255, 61.1915, 68.6686

# Trichromacy



## Original Color

53.5409, 61.4482, 9.0388

## Protanomaly

54.6259, 61.2837, 8.9498

## Deuteranomaly

58.7284, 61.2198, 11.5176

## Tritanomaly

57.9358, 59.6961, 30.6593

# Monochromacy



## Original Color

53.5409, 61.4482, 9.0388

## Achromatopsia

48.9429, 51.4918, 56.0745

## Achromatomaly

47.7746, 53.8695, 25.9690

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.5409, 61.4482, 9.0388 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(224, 209, 0)` looks like.

```
.text, #text, p{  
    color:rgb(224, 209, 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(224, 209, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 209, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 53.5409, 61.4482, 9.0388 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(224, 209, 0) }
```



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

```
.border{ border-color:rgb(224, 209, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 209, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 209, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 209, 0);  
box-shadow:4px 4px 4px 4px rgb(224, 209,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.5409, 61.4482, 9.0388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 209, 0) }
```

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

```
.background{ background-color: rgb(224,  
209, 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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