

# Converting Colors

XYZ(52.2626, 61.4392, 9.1044)

Have a look what the booklet for  
XYZ(52.2626, 61.4392, 9.1044)  
contains.

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# Color

**XYZ(52.2077, 61.4940,  
9.1179)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAD300
RGB	218, 211, 0
RGB Percent	85%, 83%, 0%
CMY	0.1451, 0.1725, 0.9999
CMYK	0.00, 0.03, 1.00, 0.15
HSL	58°, 100%, 43%
HSV	58°, 100%, 85%
XYZ	52.2077, 61.4940, 9.1179
YIQ	189.0390, 71.9030, -64.1370

# Conversions

## Conversions Part 2

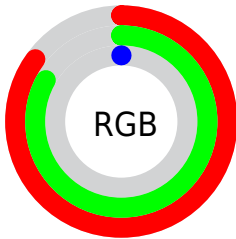
Format	Color
<b>RYB</b>	7, 218, 0
Decimal	14340864
CIELab	82.64, -15.71, 82.58
CIELCh	83, 84.055, 100.769
Yxy	61.4940, 0.4251, 0.5007
Android (android.graphics.Color)	4292530944 (0xFFDAD300)
YUV	189.0390, -93.1962, 25.3988
Hunter-Lab	78.4181, -18.3934, 47.9989

# Details

The XYZ color **52.2077, 61.4940, 9.1179** 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 **12.7313, 5.2145, 66.6645**, and the grayscale version is **48.8832, 51.4290, 56.0061**.

A 20% lighter version of the original color is **78.7203, 93.4681, 22.9090**, and **26.1575, 31.3830, 4.6789** is the 20% darker color. If you saturate the color by 10%, you get **52.2087, 61.4964, 9.1183**, and if you desaturate by 10%, it is **52.5262, 61.9024, 9.9303**.

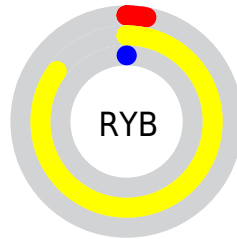
# Distribution



Red (85%)

Green (83%)

Blue (0%)



Red (3%)

Yellow (85%)

Blue (0%)

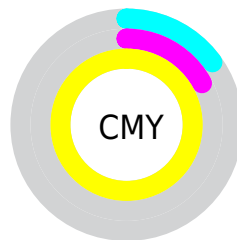


Cyan (0%)

Magenta (3%)

Yellow (100%)

Black (15%)



Cyan (15%)

Magenta (17%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2077, 61.4940, 9.1179 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 52.2077, 61.4940, 9.1179 by changing the saturation by 10% instead.





 52.2077, 61.4940,  
9.1179


 52.2077, 61.4940,  
9.1179


385.5487,  
430.0830, 194.5053

 37.3956, 44.6240,  
4.7203


 92.6099, 106.9939,  
24.7039

 25.6890, 31.1613,  
2.0283


 118.9307,  
136.3925, 36.7294


 16.7226, 20.7217,  
0.5726


 149.8184,  
170.7362, 52.1346

 10.1310, 12.9208,  
0.0000

 185.6385,  
210.4092, 71.3381

 5.5488, 7.3740,  
0.0000

 226.7562,  
255.7960, 94.7584

 2.6108, 3.6971,  
0.0000

 273.5369,

 0.9514, 1.5056,

307.2809, 122.8140

0.0000

326.3459,  
365.2485, 155.9234

■ 0.0000, 0.2927,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 52.2077, 61.4940,  
9.1179

■ 52.2077, 61.4940,  
9.1179

■ 52.2087, 61.4964,  
9.1183

■ 52.5262, 61.9024,  
9.9303

■ 53.0056, 62.3740,  
11.5919

■ 53.7002, 62.9329,  
14.3830

■ 54.6396, 63.5909,  
18.4599

■ 55.8490, 64.3581,  
23.9542

■ 57.3501, 65.2433,  
30.9816

■ 59.1628, 66.2543,  
39.6455

■ 61.3049, 67.3983,  
50.0406

■ 63.7931, 68.6819,  
62.2542

# Harmonies

## Analogous

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



70.6254, 61.4940, 10.1587



52.2077, 61.4940, 9.1179



38.6088, 61.4940, 16.4016

# Triad

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



52.2077, 61.4940, 9.1179



35.9299, 61.4940, 154.9563



97.6671, 61.4940, 105.2677

# Complementary

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



52.2077, 61.4940, 9.1179



12.7313, 5.2145, 66.6645

# 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.



84.1318, 61.4940, 173.7958



52.2077, 61.4940, 9.1179



47.7579, 61.4940, 211.2363

# Square

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



52.2077, 61.4940, 9.1179



30.5801, 61.4940, 87.2712



65.1672, 61.4940, 219.4975



99.5432, 61.4940, 50.0676



# Rectangle

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



52.2077, 61.4940, 9.1179



33.1170, 61.4940, 29.2362



65.1672, 61.4940, 219.4975



94.2165, 61.4940, 128.0776

# Sweetspot

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



52.2091, 61.4969, 9.1191



84.3082, 94.4585, 56.1720



28.9534, 14.9218, 1.5636



17.7992, 20.0824, 10.8412



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.



52.2091, 61.4969, 9.1191



74.4455, 87.6709, 12.9985



32.3109, 53.8745, 8.6966



14.1245, 15.1884, 13.9128



31.2947, 36.8750, 5.4682



2.0389, 2.4119, 0.3581



# Inverse Universe

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



12.7313, 5.2145, 66.6645



18.1388, 7.3976, 95.0796



18.1059, 7.8725, 66.8943



12.3720, 12.6838, 16.4483



7.6420, 3.1534, 39.9443

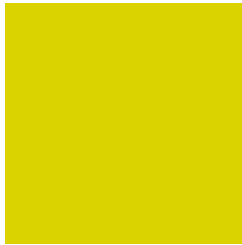


0.5072, 0.2284, 2.5918



# Previews

## White Background



This preview shows how the XYZ color 52.2077, 61.4940, 9.1179 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 52.2077, 61.4940, 9.1179 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 52.2077, 61.4940, 9.1179**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.2077, 61.4940, 9.1179.



This preview shows how white text looks on a background with the XYZ color 52.2077, 61.4940,



# 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

52.2077, 61.4940, 9.1179

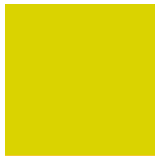
### Deuteranopia

62.2499, 61.2479, 15.1977

### Tritanopia

64.4528, 61.1719, 70.0384

# Trichromacy



## Original Color

52.2077, 61.4940, 9.1179



## Deuteranomaly

58.0381, 60.8639, 11.4853



## Tritanomaly

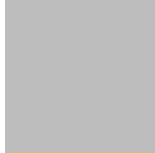
56.5538, 59.6633, 31.0897

# Monochromacy



## Original Color

52.2077, 61.4940, 9.1179



## Achromatopsia

48.3692, 50.8881, 55.4172



## Achromatomaly

47.1758, 53.5679, 25.6225

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.2077, 61.4940, 9.1179 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(218, 211, 0)` looks like.

```
.text, #text, p{  
    color:rgb(218, 211, 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(218, 211, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 211, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 52.2077, 61.4940, 9.1179 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(218, 211, 0) }
```

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

```
.border{ border-color:rgb(218, 211, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 211, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 211, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 211, 0);  
box-shadow:4px 4px 4px 4px rgb(218, 211,  
0) }
```



# Background

The CSS property to change the background color of an element to XYZ 52.2077, 61.4940, 9.1179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 211, 0) }
```

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

```
.background{ background-color: rgb(218,  
211, 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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