

# Converting Colors

XYZ(58.6141, 62.6058, 9.8590)

Have a look what the booklet for  
XYZ(58.6141, 62.6058, 9.8590)  
contains.

<b>XYZ(58.6141, 62.6058, 9.8590)</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(58.6141, 62.6058,  
9.8590)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2CD18
RGB	242, 205, 24
RGB Percent	95%, 80%, 9%
CMY	0.0510, 0.1961, 0.9058
CMYK	0.00, 0.15, 0.90, 0.05
HSL	50°, 89%, 52%
HSV	50°, 90%, 95%
XYZ	58.6141, 62.6058, 9.8590
YIQ	195.4290, 80.1530, -48.4470

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	69, 242, 24
Decimal	15912216
CIELab	83.23, -2.15, 81.28
CIElCh	83, 81.313, 91.512
Yxy	62.6058, 0.4472, 0.4776
Android (android.graphics.Color)	4294102296 (0xFFF2CD18)
YUV	195.4290, -84.5145, 40.8428
Hunter-Lab	79.1238, -6.2358, 47.9990

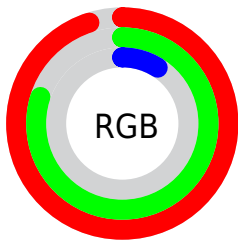
# Details

The XYZ color **58.6141, 62.6058, 9.8590** is a light color, and the websafe version is hex **FFCC00**.

The color can be described as light washed yellow. A complement of this color would be **18.0729, 9.9432, 84.9703**, and the grayscale version is **52.5857, 55.3242, 60.2481**.

A 20% lighter version of the original color is **79.0204, 93.5882, 24.4892**, and **30.1227, 31.9570, 4.5807** is the 20% darker color. If you saturate the color by 10%, you get **57.4883, 60.6184, 8.6706**, and if you desaturate by 10%, it is **59.9838, 64.7488, 12.1557**.

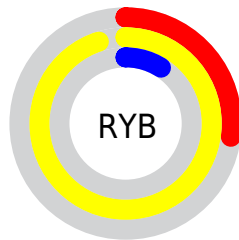
# Distribution



Red (95%)

Green (80%)

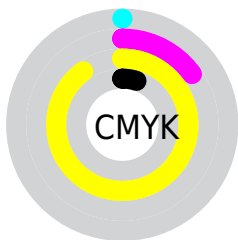
Blue (9%)



Red (27%)

Yellow (95%)

Blue (9%)

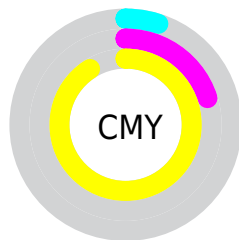


Cyan (0%)

Magenta (15%)

Yellow (90%)

Black (5%)



Cyan (5%)

Magenta (20%)


Yellow (91%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.6141, 62.6058, 9.8590 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 58.6141, 62.6058, 9.8590 by changing the saturation by 10% instead.





 58.6141, 62.6058,  
9.8590

 58.6141, 62.6058,  
9.8590


409.3874,  
434.1374, 200.1109

 42.5477, 45.5224,  
5.2012


 101.9344,  
108.6006, 26.1336

 29.7234, 31.8691,  
2.3050


 129.9191,  
138.2808, 38.5875


 19.7758, 21.2615,  
0.7340


 162.6072,  
172.9287, 54.4771

 12.3395, 13.3153,  
0.0000

 200.3642,  
212.9286, 74.2211

 7.0491, 7.6460,  
0.0000

 243.5553,  
258.6651, 98.2379

 3.5395, 3.8693,  
0.0000

 292.5460,

 1.4450, 1.6007,

310.5225, 126.9461

0.0000

347.7016,  
368.8851, 160.7643

■ 0.2880, 0.3581,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.6141, 62.6058,  
9.8590

■ 58.6141, 62.6058,  
9.8590

■ 57.4883, 60.6184,  
8.6706

■ 59.9838, 64.7488,  
12.1557

■ 61.6505, 67.0496,  
15.8944

■ 63.6545, 69.5273,  
21.2801

■ 66.0284, 72.1951,  
28.4841

■ 68.8010, 75.0649,  
37.6561

■ 71.9978, 78.1471,  
48.9302

■ 75.6422, 81.4514,  
62.4288

■ 79.7559, 84.9867,  
78.2648

■ 84.3589, 88.7615,  
96.5434

# Harmonies

## Analogous

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



77.2037, 62.6058, 13.4585



58.6141, 62.6058, 9.8590



43.4715, 62.6058, 14.3468

# Triad

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



58.6141, 62.6058, 9.8590



35.0090, 62.6058, 132.6291



94.5929, 62.6058, 125.8272

# Complementary

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



58.6141, 62.6058, 9.8590



18.0729, 9.9432, 84.9703

# 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.



79.0632, 62.6058, 189.1302



58.6141, 62.6058, 9.8590



44.7416, 62.6058, 194.2383

# Square

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



58.6141, 62.6058, 9.8590



31.6192, 62.6058, 70.7635



60.4048, 62.6058, 218.7907



100.2842, 62.6058, 65.6350



# Rectangle

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



58.6141, 62.6058, 9.8590



36.6985, 62.6058, 23.8071



60.4048, 62.6058, 218.7907



90.2164, 62.6058, 148.3080

# Sweetspot

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



58.6155, 62.6088, 9.8602



82.2641, 89.1021, 59.4007



37.8693, 19.9008, 6.6924



17.3211, 18.8057, 11.6696



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.



58.6155, 62.6088, 9.8602



64.7151, 68.2101, 9.7550



49.1439, 72.4505, 12.2591



16.8813, 17.9758, 16.7296



30.9717, 32.7415, 4.6874



2.6363, 2.8432, 0.4099



# Inverse Universe

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



18.0729, 9.9432, 84.9703



18.9239, 8.9677, 95.3413



20.8723, 9.3939, 84.7168



15.1140, 15.6622, 19.9481



9.1039, 4.4321, 45.5035



0.8196, 0.4932, 3.8062



# Previews

## White Background



This preview shows how the XYZ color 58.6141, 62.6058, 9.8590 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 58.6141, 62.6058, 9.8590 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 58.6141, 62.6058, 9.8590**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.6141, 62.6058, 9.8590.



This preview shows how white text looks on a background with the XYZ color 58.6141, 62.6058,



# 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

58.6141, 62.6058, 9.8590

### Protanopia

56.6630, 62.6744, 10.0306

### Deuteranopia

63.2373, 62.3694, 18.1567



## Tritanopia

70.1583, 62.5520, 66.1336

# Trichromacy



## Original Color

58.6141, 62.6058, 9.8590

## Protanomaly

57.4133, 62.7004, 9.9961

## Deuteranomaly

61.2651, 62.4789, 13.8316

## Tritanomaly

63.4670, 61.4837, 32.9486

# Monochromacy



## Original Color

58.6141, 62.6058, 9.8590

## Achromatopsia

51.8711, 54.5724, 59.4294

## Achromatomaly

51.8084, 56.5374, 30.3725

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.6141, 62.6058, 9.8590 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(242, 205, 24)` looks like.

```
.text, #text, p{  
    color:rgb(242, 205, 24)  
}
```

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(242, 205, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 205, 24) }
```

## Border

The CSS property to change the border of an element to XYZ 58.6141, 62.6058, 9.8590 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(242, 205, 24) }
```



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

```
.border{ border-color:rgb(242, 205, 24) }
```

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

Here you see how a box with a 4 pixel rgb(242, 205, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 205, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 205, 24);  
box-shadow:4px 4px 4px 4px rgb(242, 205,  
24) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.6141, 62.6058, 9.8590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 205, 24) }
```

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

```
.background{ background-color: rgb(242,  
205, 24) }
```

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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