

# Converting Colors

XYZ(60.7449, 67.0037, 9.7314)

Have a look what the booklet for  
XYZ(60.7449, 67.0037, 9.7314)  
contains.

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# **Color**

**XYZ(60.6645, 66.9704,  
9.7292)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2D600
RGB	242, 214, 0
RGB Percent	95%, 84%, 0%
CMY	0.0510, 0.1608, 0.9999
CMYK	0.00, 0.12, 1.00, 0.05
HSL	53°, 100%, 47%
HSV	53°, 100%, 95%
XYZ	60.6645, 66.9704, 9.7292
YIQ	197.9760, 85.3820, -60.6180

# Conversions

## Conversions Part 2

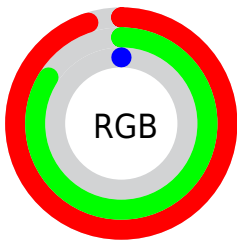
Format	Color
R <sub>Y</sub> B	32, 242, 0
Decimal	15914496
CIE Lab	85.49, -6.96, 85.57
CIE LCh	85, 85.850, 94.648
Yxy	66.9704, 0.4416, 0.4875
Android (android.graphics.Color)	4294104576 (0xFFFF2D600)
YUV	197.9760, -97.6022, 38.6090
Hunter-Lab	81.8354, -10.8902, 50.2360

# Details

The XYZ color **60.6645, 66.9704, 9.7292** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **16.4429, 7.2423, 84.5349**, and the grayscale version is **54.2038, 57.0267, 62.1020**.

A 20% lighter version of the original color is **78.7615, 93.4846, 23.1257**, and **31.6269, 34.9654, 5.0821** is the 20% darker color. If you saturate the color by 10%, you get **60.6651, 66.9720, 9.7295**, and if you desaturate by 10%, it is **61.5478, 68.4698, 10.8487**.

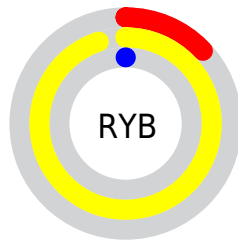
# Distribution



Red (95%)

Green (84%)

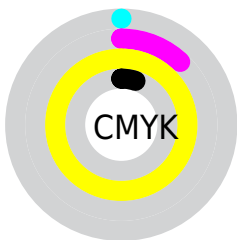
Blue (0%)



Red (13%)

Yellow (95%)

Blue (0%)

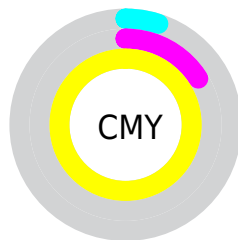


Cyan (0%)

Magenta (12%)

Yellow (100%)

Black (5%)



Cyan (5%)

Magenta (16%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.6645, 66.9704, 9.7292 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 60.6645, 66.9704, 9.7292 by changing the saturation by 10% instead.



60.6645, 66.9704,  
9.7292

60.6645, 66.9704,  
9.7292

416.8384,  
449.8394, 199.1423

44.2060, 49.0606,  
5.1165

104.8939,  
114.8780, 25.8847

31.0311, 34.6675,  
2.2559

133.3954,  
145.6446, 38.2646

20.7745, 23.4069,  
0.7063

166.6421,  
181.4655, 54.0707

13.0708, 14.8942,  
0.0000

204.9991,  
222.7252, 73.7214

7.5546, 8.7452,  
0.0000

248.8319,  
269.8080, 97.6355

3.8607, 4.5754,  
0.0000

298.5058,

1.6236, 2.0003,

323.0984, 126.2312

0.0000

354.3862,  
382.9807, 159.9274

■ 0.4077, 0.6077,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.6645, 66.9704,  
9.7292

■ 60.6645, 66.9704,  
9.7292

■ 60.6651, 66.9720,  
9.7295

■ 61.5478, 68.4698,  
10.8487

■ 62.6498, 70.0737,  
13.0663

■ 64.0369, 71.8113,  
16.7245

■ 65.7478, 73.6982,  
22.0268

■ 67.8150, 75.7474,  
29.1441

■ 70.2670, 77.9705,  
38.2260

■ 73.1292, 80.3778,  
49.4064

■ 76.4249, 82.9786,  
62.8075

■ 80.1756, 85.7816,  
78.5421

# Harmonies

## Analogous

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



81.0858, 66.9704, 12.5757



60.6645, 66.9704, 9.7292



44.6358, 66.9704, 15.4675

# Triad

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



60.6645, 66.9704, 9.7292



37.5330, 66.9704, 152.5424



103.8815, 66.9704, 129.2048

# Complementary

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



60.6645, 66.9704, 9.7292



16.4429, 7.2423, 84.5349

# 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.



87.4254, 66.9704, 201.6456



60.6645, 66.9704, 9.7292



48.9177, 66.9704, 219.2708

# Square

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



60.6645, 66.9704, 9.7292



33.1307, 66.9704, 81.9672



66.7388, 66.9704, 240.7337



108.7887, 66.9704, 64.5631



# Rectangle

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



60.6645, 66.9704, 9.7292



37.7190, 66.9704, 26.7801



66.7388, 66.9704, 240.7337



99.3728, 66.9704, 154.3156

# Sweetspot

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



60.6660, 66.9736, 9.7305



82.3276, 90.4974, 55.5118



36.8306, 18.9627, 2.8338



17.3178, 19.1194, 10.6807



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.



60.6660, 66.9736, 9.7305



68.3007, 75.3814, 10.9502



44.1908, 69.9162, 11.1668



16.9577, 18.1285, 16.7551



32.6554, 36.1088, 5.2486



2.7605, 3.0916, 0.4513



# Inverse Universe

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



16.4429, 7.2423, 84.5349



18.5017, 8.1234, 95.2006



20.5194, 8.7272, 84.6067



15.0445, 15.5231, 19.9249



8.8824, 3.9891, 45.4297



0.7867, 0.4274, 3.7952



# Previews

## White Background



This preview shows how the XYZ color 60.6645, 66.9704, 9.7292 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

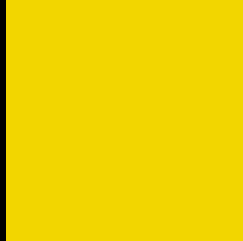
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.6645, 66.9704, 9.7292 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 60.6645, 66.9704, 9.7292**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.6645, 66.9704, 9.7292.



This preview shows how white text looks on a background with the XYZ color 60.6645, 66.9704,



# 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

60.6645, 66.9704, 9.7292

### Protanopia

60.3386, 66.8005, 9.7997

### Deuteranopia

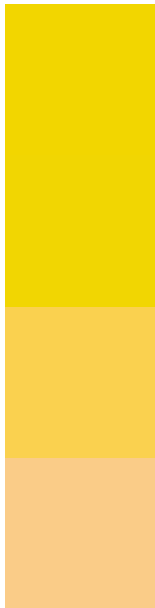
66.9494, 66.8578, 28.4450



## Tritanopia

73.4341, 66.7727, 72.6364

# Trichromacy



## Original Color

60.6645, 66.9704, 9.7292

## Protanomaly

60.3332, 66.7983, 9.7709

## Deuteranomaly

63.6361, 66.4894, 16.8769

## Tritanomaly

65.4611, 65.2873, 32.4441

# Monochromacy



## Original Color

60.6645, 66.9704, 9.7292

## Achromatopsia

53.6758, 56.4712, 61.4971

## Achromatomaly

53.0903, 58.9882, 28.3264

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.6645, 66.9704, 9.7292 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, 214, 0)` looks like.

```
.text, #text, p{  
    color:rgb(242, 214, 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(242, 214, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 214, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 60.6645, 66.9704, 9.7292 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, 214, 0) }
```



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

```
.border{ border-color:rgb(242, 214, 0) }
```

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

Here you see how a box with a 4 pixel rgb(242, 214, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 214, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 214, 0);  
box-shadow:4px 4px 4px 4px rgb(242, 214,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.6645, 66.9704, 9.7292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 214, 0) }
```

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

```
.background{ background-color: rgb(242,  
214, 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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