

Converting Colors

XYZ(61.5825, 61.9448, 8.7114)

Have a look what the booklet for
XYZ(61.5825, 61.9448, 8.7114)
contains.

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Color

**XYZ(61.6634, 62.1068,
8.7378)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC700
RGB	255, 199, 0
RGB Percent	100%, 78%, 0%
CMY	0.0000, 0.2196, 0.9999
CMYK	0.00, 0.22, 1.00, 0.00
HSL	47°, 100%, 50%
HSV	47°, 100%, 100%
XYZ	61.6634, 62.1068, 8.7378
YIQ	193.0580, 97.2550, -50.0170

Conversions

Conversions Part 2

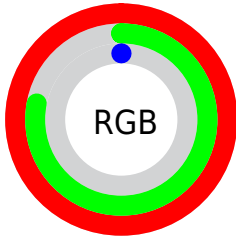
Format	Color
R _Y B	72, 255, 0
Decimal	16762624
CIE Lab	82.97, 6.25, 84.37
CIE LCh	83, 84.603, 85.763
Yxy	62.1068, 0.4654, 0.4687
Android (android.graphics.Color)	4294952704 (0xFFFFC700)
YUV	193.0580, -95.1776, 54.3231
Hunter-Lab	78.8079, 1.7540, 48.5917

Details

The XYZ color **61.6634, 62.1068, 8.7378** 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 **19.4651, 10.0500, 95.5209**, and the grayscale version is **51.2281, 53.8959, 58.6926**.

A 20% lighter version of the original color is **78.6797, 93.4519, 22.6953**, and **32.2712, 31.8952, 4.4555** is the 20% darker color. If you saturate the color by 10%, you get **61.6635, 62.1074, 8.7379**, and if you desaturate by 10%, it is **63.1582, 64.8069, 10.1298**.

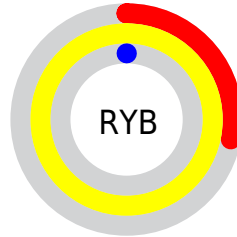
Distribution



Red (100%)

Green (78%)

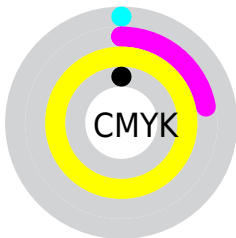
Blue (0%)



Red (28%)

Yellow (100%)

Blue (0%)

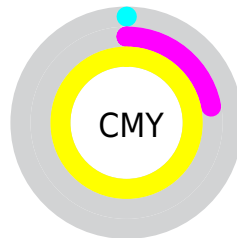


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (22%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.6634, 62.1068, 8.7378 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 61.6634, 62.1068, 8.7378 by changing the saturation by 10% instead.


 61.6634, 62.1068,
8.7378

 61.6634, 62.1068,
8.7378


420.4394,
432.3206, 191.5552

 45.0153, 45.1190,
4.4761


 106.3316,
107.8799, 23.9622

 31.6708, 31.5512,
1.8900


 135.0824,
137.4339, 35.7620


 21.2645, 21.0189,
0.4864


 168.5982,
171.9455, 50.9116

 13.4311, 13.1378,
0.0000

 207.2444,
211.7991, 69.8295

 7.8051, 7.5235,
0.0000

 251.3862,
257.3790, 92.9343

 4.0212, 3.7916,
0.0000

 301.3891,

 1.7142, 1.5577,

309.0696, 120.6445

0.0000

357.6184,
367.2553, 153.3786

■ 0.4651, 0.3288,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 61.6634, 62.1068,
8.7378

■ 61.6634, 62.1068,
8.7378

■ 61.6635, 62.1074,
8.7379

■ 63.1582, 64.8069,
10.1298

■ 64.9353, 67.6942,
12.7785

■ 67.0687, 70.8014,
17.0644

■ 69.6028, 74.1471,
23.2198

■ 72.5752, 77.7470,
31.4395

■ 76.0186, 81.6151,
41.8937

■ 79.9624, 85.7638,
54.7349

■ 84.4335, 90.2045,
70.1023

■ 89.4565, 94.9479,
88.1240

Harmonies

Analogous

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



81.0768, 62.1068, 13.8963



61.6634, 62.1068, 8.7378



45.0432, 62.1068, 11.4660

Triad

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



61.6634, 62.1068, 8.7378



32.7138, 62.1068, 121.4415



93.0865, 62.1068, 141.4662

Complementary

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



61.6634, 62.1068, 8.7378



19.4651, 10.0500, 95.5209

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.



75.6499, 62.1068, 204.6771



61.6634, 62.1068, 8.7378



41.3939, 62.1068, 189.5196

Square

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



61.6634, 62.1068, 8.7378



30.4762, 62.1068, 60.4620



56.4739, 62.1068, 225.7043



101.4395, 62.1068, 75.3298

Rectangle

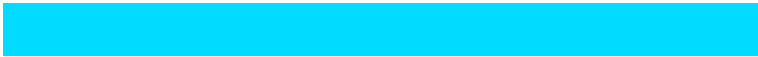
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61.6634, 62.1068, 8.7378



37.2738, 62.1068, 18.9264



56.4739, 62.1068, 225.7043



87.9383, 62.1068, 164.8618

Sweetspot

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



61.6648, 62.1099, 8.7390



79.9592, 85.7605, 54.7223



42.0428, 21.5815, 6.1582



16.7453, 17.9744, 10.4899



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.



61.6648, 62.1099, 8.7390



61.6640, 62.1079, 8.7380



56.2547, 82.0850, 12.8797



19.2029, 20.3740, 19.0648



32.3361, 32.6835, 4.6042



3.2281, 3.3416, 0.4748

Inverse Universe

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



19.4651, 10.0500, 95.5209



19.4641, 10.0481, 95.5214



20.4352, 8.4500, 95.1609



17.3264, 18.0244, 22.8158



10.2594, 5.4284, 49.9416



1.0753, 0.6814, 4.8881

Previews

White Background



This preview shows how the XYZ color 61.6634, 62.1068, 8.7378 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 61.6634, 62.1068, 8.7378 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 61.6634, 62.1068, 8.7378

Background



This preview shows how black text looks on a background with the XYZ color 61.6634, 62.1068, 8.7378.



This preview shows how white text looks on a background with the XYZ color 61.6634, 62.1068,

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

61.6634, 62.1068, 8.7378

Protanopia

55.9835, 61.9758, 9.3597

Deuteranopia

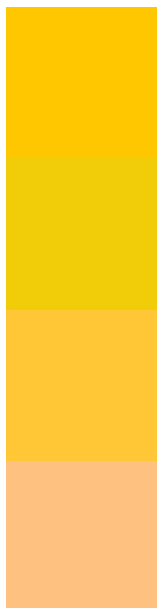
63.0343, 62.2883, 17.0881



Tritanopia

69.9802, 61.8722, 63.5125

Trichromacy



Original Color

61.6634, 62.1068, 8.7378

Protanomaly

57.9123, 61.9040, 9.1261

Deuteranomaly

62.0767, 61.9052, 12.0453

Tritanomaly

64.2062, 60.9584, 28.8042

Monochromacy



Original Color

61.6634, 62.1068, 8.7378

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

51.4092, 55.0592, 26.6568

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.6634, 62.1068, 8.7378 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(255, 199, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 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(255, 199, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 0) }
```

Border

The CSS property to change the border of an element to XYZ 61.6634, 62.1068, 8.7378 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(255, 199, 0) }
```


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

```
.border{ border-color:rgb(255, 199, 0) }
```

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

Here you see how a box with a 4 pixel rgb(255, 199, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 61.6634, 62.1068, 8.7378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 0) }
```

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

```
.background{ background-color: rgb(255,  
199, 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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