

Converting Colors

XYZ(60.8705, 60.5205, 8.4750)

Have a look what the booklet for
XYZ(60.8705, 60.5205, 8.4750)
contains.

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Color

**XYZ(60.9799, 60.7399,
8.5100)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC400
RGB	255, 196, 0
RGB Percent	100%, 77%, 0%
CMY	0.0000, 0.2313, 0.9999
CMYK	0.00, 0.23, 1.00, 0.00
HSL	46°, 100%, 50%
HSV	46°, 100%, 100%
XYZ	60.9799, 60.7399, 8.5100
YIQ	191.2970, 98.0800, -48.4480

Conversions

Conversions Part 2

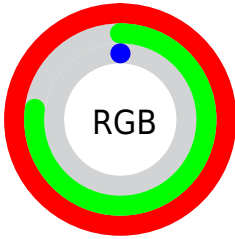
Format	Color
R _Y B	77, 255, 0
Decimal	16761856
CIE Lab	82.24, 7.80, 83.87
CIE LCh	82, 84.228, 84.688
Yxy	60.7399, 0.4682, 0.4664
Android (android.graphics.Color)	4294951936 (0xFFFFC400)
YUV	191.2970, -94.3094, 55.8675
Hunter-Lab	77.9358, 3.2774, 48.0810

Details

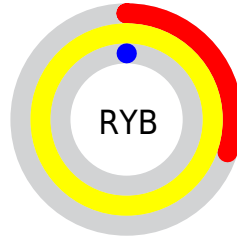
The XYZ color **60.9799, 60.7399, 8.5100** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **19.6149, 10.3496, 95.5706**, and the grayscale version is **50.1878, 52.8015, 57.5008**.

A 20% lighter version of the original color is **77.6901, 91.5367, 22.1680**, and **31.8148, 30.9824, 4.3034** is the 20% darker color. If you saturate the color by 10%, you get **60.9799, 60.7404, 8.5101**, and if you desaturate by 10%, it is **62.5194, 63.5296, 9.9169**.

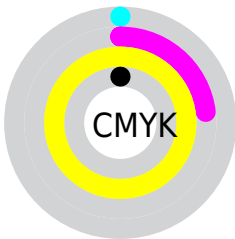
Distribution



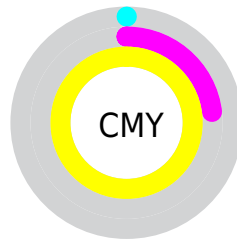
- Red (100%)
- Green (77%)
- Blue (0%)



- Red (30%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (23%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (23%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.9799, 60.7399, 8.5100 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 60.9799, 60.7399, 8.5100 by changing the saturation by 10% instead.


 60.9799, 60.7399,
8.5100

 60.9799, 60.7399,
8.5100


417.9774,
427.3197, 189.7607

 44.4614, 44.0153,
4.3306


 105.3481,
105.9022, 23.5148

 31.2329, 30.6825,
1.8084


 133.9286,
135.1088, 35.1773

 20.9289, 20.3572,
0.4335


 167.2604,
169.2447, 50.1711

 13.1842, 12.6550,
0.0000

 205.7089,
208.6945, 68.9150

 7.6334, 7.1914,
0.0000

 249.6395,
253.8425, 91.8273

 3.9111, 3.5821,
0.0000

 299.4176,

 1.6520, 1.4426,

305.0731, 119.3267

0.0000

355.4084,
362.7707, 151.8316

■ 0.4259, 0.2478,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 60.9799, 60.7399,
8.5100

■ 60.9799, 60.7399,
8.5100

■ 60.9799, 60.7404,
8.5101

■ 62.5194, 63.5296,
9.9169

■ 64.3464, 66.5165,
12.5822

■ 66.5347, 69.7335,
16.8864

■ 69.1289, 73.1994,
23.0618

■ 72.1667, 76.9300,
31.3032

■ 75.6808, 80.9395,
41.7809

■ 79.7007, 85.2404,
54.6475

■ 84.2533, 89.8444,
70.0420

■ 89.3635, 94.7622,
88.0927

Harmonies

Analogous

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



80.0222, 60.7399, 13.8756



60.9799, 60.7399, 8.5100



44.5046, 60.7399, 10.8939

Triad

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



60.9799, 60.7399, 8.5100



31.7462, 60.7399, 116.4972



90.6537, 60.7399, 141.1296

Complementary

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



60.9799, 60.7399, 8.5100



19.6149, 10.3496, 95.5706

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.



73.3493, 60.7399, 202.3857



60.9799, 60.7399, 8.5100



40.0199, 60.7399, 183.7369

Square

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



60.9799, 60.7399, 8.5100



29.7742, 60.7399, 57.4154



54.6005, 60.7399, 221.0475



99.2766, 60.7399, 75.6965

Rectangle

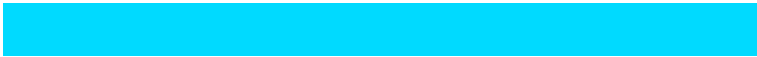
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60.9799, 60.7399, 8.5100



36.7352, 60.7399, 17.8672



54.6005, 60.7399, 221.0475



85.5058, 60.7399, 164.0016

Sweetspot

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



60.9813, 60.7429, 8.5112



79.6975, 85.2372, 54.6351



42.0428, 21.5815, 6.1582



16.6822, 17.8484, 10.4689



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.



60.9813, 60.7429, 8.5112



60.9805, 60.7410, 8.5102



56.2546, 82.0848, 12.8797



19.1840, 20.3362, 19.0585



31.9828, 31.9768, 4.4865



3.1965, 3.2783, 0.4643

Inverse Universe

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



19.6149, 10.3496, 95.5706



19.6138, 10.3477, 95.5713



20.4351, 8.4500, 95.1608



17.3440, 18.0596, 22.8217



10.3415, 5.5925, 49.9690



1.0856, 0.7019, 4.8915

Previews

White Background



This preview shows how the XYZ color 60.9799, 60.7399, 8.5100 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 60.9799, 60.7399, 8.5100 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 60.9799, 60.7399, 8.5100

Background



This preview shows how black text looks on a background with the XYZ color 60.9799, 60.7399, 8.5100.



This preview shows how white text looks on a background with the XYZ color 60.9799, 60.7399,

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

60.9799, 60.7399, 8.5100

Protanopia

54.8590, 60.6806, 9.2019

Deuteranopia

61.7682, 60.6955, 13.7700



Tritanopia

69.2034, 60.8779, 61.5293

Trichromacy



Original Color

60.9799, 60.7399, 8.5100

Protanomaly

57.0995, 60.7839, 8.9527

Deuteranomaly

61.1912, 60.4646, 10.7312

Tritanomaly

63.4194, 59.5933, 27.8988

Monochromacy



Original Color

60.9799, 60.7399, 8.5100

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

50.3144, 53.8412, 26.1529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.9799, 60.7399, 8.5100 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, 196, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 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, 196, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 0) }
```

Border

The CSS property to change the border of an element to XYZ 60.9799, 60.7399, 8.5100 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, 196, 0) }
```


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

```
.border{ border-color:rgb(255, 196, 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, 196, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 60.9799, 60.7399, 8.5100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 196, 0) }
```

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

```
.background{ background-color: rgb(255,  
196, 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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