

Converting Colors

XYZ(63.4956, 68.5198, 9.8791)

Have a look what the booklet for
XYZ(63.4956, 68.5198, 9.8791)
contains.

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Color

**XYZ(63.4709, 68.4171,
9.8606)**

Conversions

Conversions Part 1

Format	Color
Hex	FAD600
RGB	250, 214, 0
RGB Percent	98%, 84%, 0%
CMY	0.0196, 0.1608, 0.9999
CMYK	0.00, 0.14, 1.00, 0.02
HSL	51°, 100%, 49%
HSV	51°, 100%, 98%
XYZ	63.4709, 68.4171, 9.8606
YIQ	200.3680, 90.1500, -58.9220

Conversions

Conversions Part 2

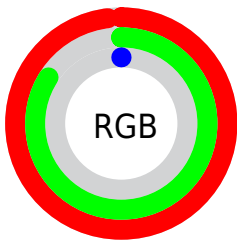
Format	Color
R _Y B	42, 250, 0
Decimal	16438784
CIE Lab	86.21, -3.55, 86.42
CIE LCh	86, 86.491, 92.350
Yxy	68.4171, 0.4478, 0.4827
Android (android.graphics.Color)	4294628864 (0xFFFA600)
YUV	200.3680, -98.7814, 43.5273
Hunter-Lab	82.7146, -7.7790, 50.8321

Details

The XYZ color **63.4709, 68.4171, 9.8606** 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 **17.8871, 8.1653, 91.0750**, and the grayscale version is **55.6822, 58.5820, 63.7958**.

A 20% lighter version of the original color is **78.7615, 93.4846, 23.1257**, and **33.3098, 35.8330, 5.1608** is the 20% darker color. If you saturate the color by 10%, you get **63.4712, 68.4182, 9.8607**, and if you desaturate by 10%, it is **64.5692, 70.3330, 11.0938**.

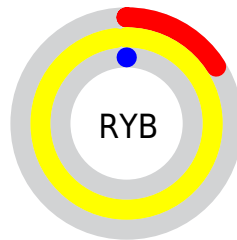
Distribution



Red (98%)

Green (84%)

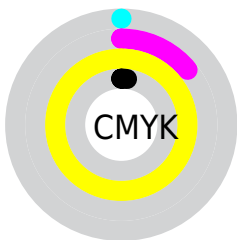
Blue (0%)



Red (16%)

Yellow (98%)

Blue (0%)

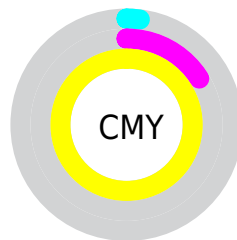


Cyan (0%)

Magenta (14%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (16%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.4709, 68.4171, 9.8606 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 63.4709, 68.4171, 9.8606 by changing the saturation by 10% instead.


 63.4709, 68.4171,
9.8606


 63.4709, 68.4171,
9.8606


426.9090,
454.9724, 200.1228


 46.4823, 50.2371,
5.2022


 108.9266,
116.9486, 26.1367


 32.8328, 35.6019,
2.3056


 138.1244,
148.0690, 38.5915

 22.1570, 24.1269,
0.7344


 172.1228,
184.2716, 54.4821

 14.0896, 15.4278,
0.0000

 211.2869,
225.9409, 74.2272

 8.2651, 9.1201,
0.0000

 255.9823,
273.4612, 98.2453

 4.3183, 4.8196,
0.0000

 306.5742,

 1.8837, 2.1418,

327.2170, 126.9549

0.0000

363.4280,
387.5926, 160.7745

■ 0.5674, 0.6880,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.4709, 68.4171,
9.8606

■ 63.4709, 68.4171,
9.8606

■ 63.4712, 68.4182,
9.8607

■ 64.5692, 70.3330,
11.0938

■ 65.9113, 72.3761,
13.5170

■ 67.5677, 74.5776,
17.4956

■ 69.5807, 76.9546,
23.2504

71.9856, 79.5213,
30.9669

74.8131, 82.2903,
40.8069

78.0911, 85.2728,
52.9158

81.8447, 88.4792,
67.4257

86.0972, 91.9190,
84.4590

Harmonies

Analogous

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



84.4696, 68.4171, 13.4554



63.4709, 68.4171, 9.8606



46.6133, 68.4171, 14.9439

Triad

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



63.4709, 68.4171, 9.8606



37.7439, 68.4171, 149.9442



105.1930, 68.4171, 137.8676

Complementary

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



63.4709, 68.4171, 9.8606



17.8871, 8.1653, 91.0750

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.



87.7487, 68.4171, 210.8788



63.4709, 68.4171, 9.8606



48.8256, 68.4171, 220.0057

Square

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



63.4709, 68.4171, 9.8606



33.7781, 68.4171, 79.0823



66.6112, 68.4171, 246.6053



111.2898, 68.4171, 70.0878

Rectangle

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



63.4709, 68.4171, 9.8606



39.1751, 68.4171, 25.5750



66.6112, 68.4171, 246.6053



100.3076, 68.4171, 163.5842

Sweetspot

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



63.4724, 68.4204, 9.8620



81.6724, 89.1868, 55.2934



39.7666, 20.4614, 3.6473



17.1590, 18.8019, 10.6278



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.



63.4724, 68.4204, 9.8620



66.3849, 71.5499, 10.3116



49.1895, 76.1056, 12.0981



18.5019, 19.7396, 18.2974



33.7495, 36.4557, 5.2579



3.1822, 3.4892, 0.5058

Inverse Universe

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



17.8871, 8.1653, 91.0750



18.7028, 8.5256, 95.2676



21.2346, 8.9540, 91.0508



16.4846, 17.0461, 21.8067



9.5486, 4.4528, 48.3298



0.9434, 0.5304, 4.4958

Previews

White Background



This preview shows how the XYZ color 63.4709, 68.4171, 9.8606 looks on a white background.

Color Contrast Check

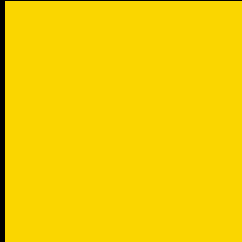
Large Text (above 18pt) WCAG AA × Fail

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 63.4709, 68.4171, 9.8606 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 63.4709, 68.4171, 9.8606

Background



This preview shows how black text looks on a background with the XYZ color 63.4709, 68.4171, 9.8606.



This preview shows how white text looks on a background with the XYZ color 63.4709, 68.4171,

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

63.4709, 68.4171, 9.8606

Protanopia

61.9024, 68.3602, 10.1332

Deuteranopia

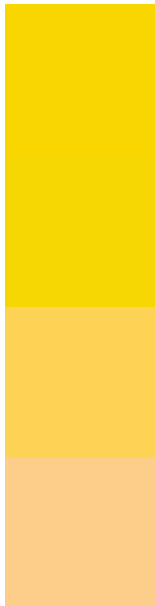
68.2741, 68.5544, 31.8242



Tritanopia

74.6263, 68.4074, 73.5607

Trichromacy



Original Color

63.4709, 68.4171, 9.8606

Protanomaly

62.3284, 68.2025, 9.9942

Deuteranomaly

65.4420, 68.1271, 18.2950

Tritanomaly

67.0947, 66.8314, 33.0304

Monochromacy



Original Color

63.4709, 68.4171, 9.8606

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

54.5755, 60.1004, 28.8028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4709, 68.4171, 9.8606 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(250, 214, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 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(250, 214, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 214, 0) }
```

Border

The CSS property to change the border of an element to XYZ 63.4709, 68.4171, 9.8606 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(250, 214, 0) }
```


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

```
.border{ border-color:rgb(250, 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(250, 214, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 214, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 214, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 214,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4709, 68.4171, 9.8606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 214, 0) }
```

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

```
.background{ background-color: rgb(250,  
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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