

Converting Colors

XYZ(61.8309, 64.4666, 9.2938)

Have a look what the booklet for
XYZ(61.8309, 64.4666, 9.2938)
contains.

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Color

**XYZ(61.8769, 64.6606,
9.3343)**

Conversions

Conversions Part 1

Format	Color
Hex	FBCE04
RGB	251, 206, 4
RGB Percent	98%, 81%, 2%
CMY	0.0157, 0.1921, 0.9842
CMYK	0.00, 0.18, 0.98, 0.02
HSL	49°, 97%, 50%
HSV	49°, 98%, 98%
XYZ	61.8769, 64.6606, 9.3343
YIQ	196.4270, 91.6620, -53.2820

Conversions

Conversions Part 2

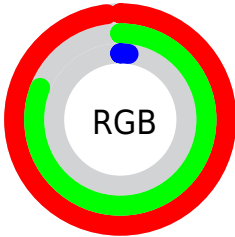
Format	Color
RYB	59, 251, 4
Decimal	16502276
CIELab	84.31, 0.98, 84.76
CIELCh	84, 84.765, 89.337
Yxy	64.6606, 0.4554, 0.4759
Android (android.graphics.Color)	4294692356 (0xFFFBCE04)
YUV	196.4270, -94.8665, 47.8605
Hunter-Lab	80.4118, -3.3649, 49.4058

Details

The XYZ color **61.8769, 64.6606, 9.3343** 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 **18.5618, 9.1889, 92.0615**, and the grayscale version is **53.2433, 56.0161, 61.0015**.

A 20% lighter version of the original color is **78.7615, 93.4846, 23.1257**, and **32.2145, 33.2753, 4.7249** is the 20% darker color. If you saturate the color by 10%, you get **61.6802, 64.3028, 9.1608**, and if you desaturate by 10%, it is **63.1966, 66.9782, 10.7677**.

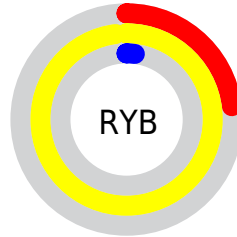
Distribution



Red (98%)

Green (81%)

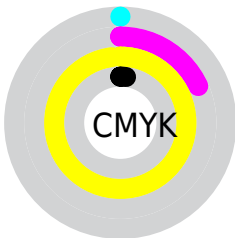
Blue (2%)



Red (23%)

Yellow (98%)

Blue (2%)

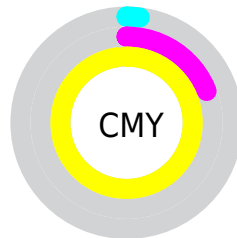


Cyan (0%)

Magenta (18%)

Yellow (98%)

Black (2%)



Cyan (2%)


Magenta (19%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.8769, 64.6606, 9.3343 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 61.8769, 64.6606, 9.3343 by changing the saturation by 10% instead.


 61.8769, 64.6606,
9.3343

 61.8769, 64.6606,
9.3343


421.2066,
441.5713, 196.1615


 45.1885, 47.1859,
4.8601


 106.6385,
111.5618, 25.1236


 31.8078, 33.1827,
2.1081


 135.4425,
141.7570, 37.2757

 21.3696, 22.2664,
0.6206


 169.0156,
176.9613, 52.8242

 13.5084, 14.0528,
0.0000

 207.7232,
217.5590, 72.1876

 7.8590, 8.1574,
0.0000

 251.9308,
263.9344, 95.7846

 4.0559, 4.1958,
0.0000

 302.0037,

 1.7338, 1.7837,

316.4720, 124.0335

0.0000

358.3072,
375.5562, 157.3530

■ 0.4773, 0.4770,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 61.8769, 64.6606,
9.3343

■ 61.8769, 64.6606,
9.3343

■ 61.6802, 64.3028,
9.1608

■ 63.1966, 66.9782,
10.7677

■ 64.7936, 69.4558,
13.5090

■ 66.7274, 72.1202,
17.8627

■ 69.0392, 74.9883,
24.0452

71.7639, 78.0744,
32.2393

74.9324, 81.3914,
42.6055

78.5722, 84.9507,
55.2883

82.7087, 88.7627,
70.4195

87.3651, 92.8372,
88.1211

Harmonies

Analogous

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



81.7964, 64.6606, 13.6237



61.8769, 64.6606, 9.3343



45.3947, 64.6606, 13.2271

Triad

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



61.8769, 64.6606, 9.3343



35.0260, 64.6606, 134.2790



98.0886, 64.6606, 137.4931

Complementary

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



61.8769, 64.6606, 9.3343



18.5618, 9.1889, 92.0615

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.



80.9235, 64.6606, 204.6975



61.8769, 64.6606, 9.3343



44.8057, 64.6606, 202.2686

Square

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



61.8769, 64.6606, 9.3343



31.9366, 64.6606, 69.2141



61.0409, 64.6606, 232.9361



105.1503, 64.6606, 71.6083

Rectangle

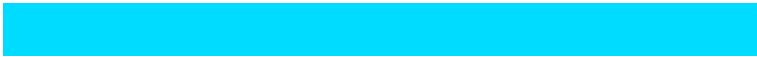
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61.8769, 64.6606, 9.3343



37.9143, 64.6606, 22.1995



61.0409, 64.6606, 232.9361



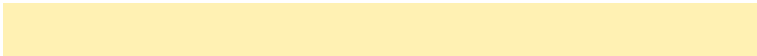
93.1569, 64.6606, 161.6943

Sweetspot

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



61.8783, 64.6638, 9.3356



80.8003, 87.4428, 55.0027



40.3878, 20.8207, 4.8295



16.9482, 18.3802, 10.5575



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.



61.8783, 64.6638, 9.3356



63.9291, 66.6383, 9.4930



51.7062, 77.8630, 12.4194



18.4427, 19.6213, 18.2777



32.5210, 33.9987, 4.8484



3.0796, 3.2840, 0.4716

Inverse Universe

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



18.5618, 9.1889, 92.0615



19.0448, 9.2097, 95.3816



20.9561, 8.8566, 91.8711



16.5387, 17.1543, 21.8247



9.7356, 4.8268, 48.3921



0.9691, 0.5819, 4.5044

Previews

White Background



This preview shows how the XYZ color 61.8769, 64.6606, 9.3343 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 61.8769, 64.6606, 9.3343 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 61.8769, 64.6606, 9.3343

Background



This preview shows how black text looks on a background with the XYZ color 61.8769, 64.6606, 9.3343.



This preview shows how white text looks on a background with the XYZ color 61.8769, 64.6606,

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

61.8769, 64.6606, 9.3343

Protanopia

58.6146, 64.7898, 9.7330

Deuteranopia

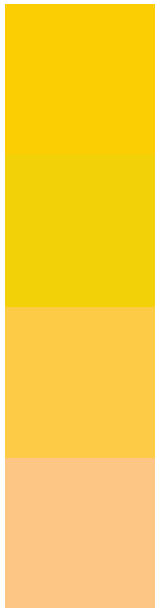
65.0144, 64.5626, 22.9451



Tritanopia

71.7943, 64.3486, 67.6680

Trichromacy



Original Color

61.8769, 64.6606, 9.3343

Protanomaly

59.8064, 64.6731, 9.5608

Deuteranomaly

63.3345, 64.2249, 14.8529

Tritanomaly

65.3008, 63.1525, 30.9382

Monochromacy



Original Color

61.8769, 64.6606, 9.3343

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

52.7391, 57.4138, 28.0410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.8769, 64.6606, 9.3343 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(251, 206, 4)` looks like.

```
.text, #text, p{  
    color:rgb(251, 206, 4)  
}
```

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(251, 206, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 206, 4) }
```

Border

The CSS property to change the border of an element to XYZ 61.8769, 64.6606, 9.3343 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(251, 206, 4) }
```


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

```
.border{ border-color:rgb(251, 206, 4) }
```

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

Here you see how a box with a 4 pixel rgb(251, 206, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 206, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 206, 4);  
box-shadow:4px 4px 4px 4px rgb(251, 206,  
4) }
```

Background

The CSS property to change the background color of an element to XYZ 61.8769, 64.6606, 9.3343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 206, 4) }
```

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

```
.background{ background-color: rgb(251,  
206, 4) }
```

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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