

Converting Colors

XYZ(65.0013, 68.7831, 9.8505)

Have a look what the booklet for
XYZ(65.0013, 68.7831, 9.8505)
contains.

XYZ(65.0342, 68.8485, 9.8614)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(65.0342, 68.8485,
9.8614)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD500
RGB	255, 213, 0
RGB Percent	100%, 84%, 0%
CMY	0.0000, 0.1647, 0.9999
CMYK	0.00, 0.16, 1.00, 0.00
HSL	50°, 100%, 50%
HSV	50°, 100%, 100%
XYZ	65.0342, 68.8485, 9.8614
YIQ	201.2760, 93.4050, -57.3390

Conversions

Conversions Part 2

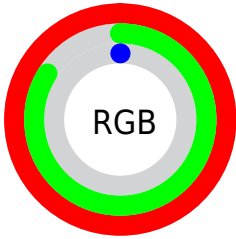
Format	Color
R _Y B	50, 255, 0
Decimal	16766208
CIE Lab	86.43, -0.91, 86.79
CIE LCh	86, 86.790, 90.601
Yxy	68.8485, 0.4524, 0.4790
Android (android.graphics.Color)	4294956288 (0xFFFFD500)
YUV	201.2760, -99.2291, 47.1159
Hunter-Lab	82.9750, -5.3014, 51.0360

Details

The XYZ color **65.0342, 68.8485, 9.8614** 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 **18.8788, 8.8774, 95.3253**, and the grayscale version is **56.2486, 59.1779, 64.4447**.

A 20% lighter version of the original color is **78.7615, 93.4846, 23.1257**, and **34.3905, 36.1337, 5.1619** is the 20% darker color. If you saturate the color by 10%, you get **65.0345, 68.8496, 9.8616**, and if you desaturate by 10%, it is **66.2869, 71.0646, 11.1729**.

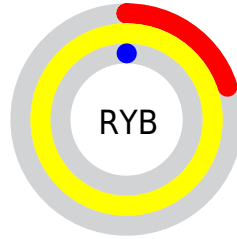
Distribution



Red (100%)

Green (84%)

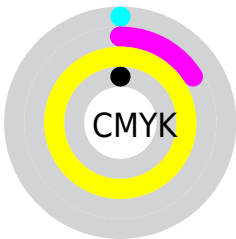
Blue (0%)



Red (20%)

Yellow (100%)

Blue (0%)

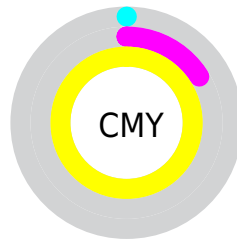


Cyan (0%)

Magenta (16%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (16%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.0342, 68.8485, 9.8614 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 65.0342, 68.8485, 9.8614 by changing the saturation by 10% instead.


 65.0342, 68.8485,
9.8614

 65.0342, 68.8485,
9.8614


432.4581,
456.4965, 200.1287


 47.7536, 50.5883,
5.2028


 111.1645,
117.5652, 26.1382


 33.8422, 35.8811,
2.3059


 140.7448,
148.7905, 38.5934

 22.9348, 24.3424,
0.7345


 175.1559,
185.1062, 54.4846

 14.6658, 15.5878,
0.0000

 214.7629,
226.8969, 74.2303

 8.6699, 9.2329,
0.0000

 259.9313,
274.5469, 98.2490

 4.5819, 4.8934,
0.0000

 311.0264,

 2.0363, 2.1849,

328.4405, 126.9593

0.0000

368.4135,
388.9623, 160.7797

■ 0.6542, 0.7117,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 65.0342, 68.8485,
9.8614

■ 65.0342, 68.8485,
9.8614

■ 65.0345, 68.8496,
9.8616

■ 66.2869, 71.0646,
11.1729

■ 67.8016, 73.4267,
13.7343

■ 69.6518, 75.9675,
17.9260

■ 71.8819, 78.7051,
23.9802

■ 74.5290, 81.6544,
32.0917

■ 77.6257, 84.8289,
42.4306

■ 81.2010, 88.2406,
55.1493

■ 85.2816, 91.9003,
70.3867

■ 89.8919, 95.8181,
88.2711

Harmonies

Analogous

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



86.2690, 68.8485, 14.0178



65.0342, 68.8485, 9.8614



47.6934, 68.8485, 14.4006

Triad

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



65.0342, 68.8485, 9.8614



37.5251, 68.8485, 146.4766



105.1470, 68.8485, 143.3585

Complementary

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



65.0342, 68.8485, 9.8614



18.8788, 8.8774, 95.3253

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.



87.1153, 68.8485, 216.0081



65.0342, 68.8485, 9.8614



48.2639, 68.8485, 218.3658

Square

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



65.0342, 68.8485, 9.8614



33.9377, 68.8485, 76.1304



65.8443, 68.8485, 248.6866



112.1099, 68.8485, 73.8102

Rectangle

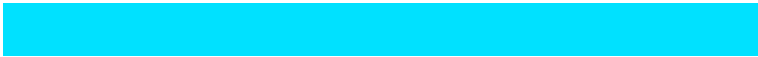
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.0342, 68.8485, 9.8614



39.9177, 68.8485, 24.4209



65.8443, 68.8485, 248.6866



100.0192, 68.8485, 169.2708

Sweetspot

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



65.0357, 68.8519, 9.8628



81.1978, 88.2377, 55.1352



41.6672, 21.4313, 4.1803



17.0442, 18.5723, 10.5896



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.



65.0357, 68.8519, 9.8628



65.0351, 68.8503, 9.8617



52.3391, 80.0663, 12.6966



19.2916, 20.5513, 19.0944



34.0767, 36.1647, 5.1845



3.3827, 3.6508, 0.5264

Inverse Universe

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



18.8788, 8.8774, 95.3253



18.8778, 8.8757, 95.3259



21.7980, 9.1526, 95.2246



17.2446, 17.8609, 22.7886



9.9346, 4.7788, 49.8334



1.0323, 0.5953, 4.8738

Previews

White Background



This preview shows how the XYZ color 65.0342, 68.8485, 9.8614 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 65.0342, 68.8485, 9.8614 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 65.0342, 68.8485, 9.8614

Background



This preview shows how black text looks on a background with the XYZ color 65.0342, 68.8485, 9.8614.



This preview shows how white text looks on a background with the XYZ color 65.0342, 68.8485,

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

65.0342, 68.8485, 9.8614

Protanopia

62.1704, 68.8785, 10.2766

Deuteranopia

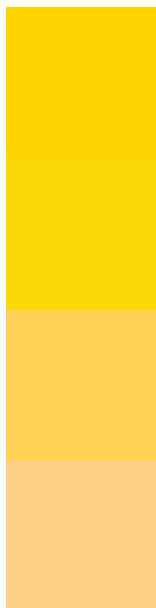
68.4844, 68.6385, 32.9316



Tritanopia

74.7335, 68.8269, 72.9644

Trichromacy



Original Color

65.0342, 68.8485, 9.8614

Protanomaly

63.3001, 69.0813, 10.1701

Deuteranomaly

66.0069, 68.0413, 18.6712

Tritanomaly

67.9968, 67.6632, 32.7690

Monochromacy



Original Color

65.0342, 68.8485, 9.8614

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

55.5464, 60.5933, 29.1901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.0342, 68.8485, 9.8614 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, 213, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 213, 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, 213, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 0) }
```

Border

The CSS property to change the border of an element to XYZ 65.0342, 68.8485, 9.8614 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, 213, 0) }
```


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

```
.border{ border-color:rgb(255, 213, 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, 213, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 213, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 213, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 213,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 65.0342, 68.8485, 9.8614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 213, 0) }
```

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

```
.background{ background-color: rgb(255,  
213, 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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