

Converting Colors

XYZ(64.5965, 70.1349, 10.1328)

Have a look what the booklet for
XYZ(64.5965, 70.1349, 10.1328)
contains.

XYZ(64.5965, 70.1349, 10.1328)	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(64.5965, 70.1349,
10.1328)**

Conversions

Conversions Part 1

Format	Color
Hex	FBD900
RGB	251, 217, 0
RGB Percent	98%, 85%, 0%
CMY	0.0157, 0.1490, 0.9999
CMYK	0.00, 0.14, 1.00, 0.02
HSL	52°, 100%, 49%
HSV	52°, 100%, 98%
XYZ	64.5965, 70.1349, 10.1328
YIQ	202.4280, 89.9210, -60.2790

Conversions

Conversions Part 2

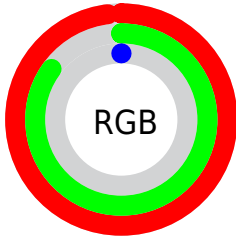
Format	Color
R _Y B	39, 251, 0
Decimal	16505088
CIE Lab	87.06, -4.63, 87.06
CIE LCh	87, 87.185, 93.047
Yxy	70.1349, 0.4459, 0.4841
Android (android.graphics.Color)	4294695168 (0xFFFB900)
YUV	202.4280, -99.7970, 42.5976
Hunter-Lab	83.7466, -8.8736, 51.4489

Details

The XYZ color **64.5965, 70.1349, 10.1328** 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 **17.9854, 8.1104, 91.8836**, and the grayscale version is **56.9757, 59.9429, 65.2778**.

A 20% lighter version of the original color is **78.8032, 93.5013, 23.3454**, and **34.0835, 37.0132, 5.3479** is the 20% darker color. If you saturate the color by 10%, you get **64.5969, 70.1362, 10.1330**, and if you desaturate by 10%, it is **65.6602, 71.9798, 11.3598**.

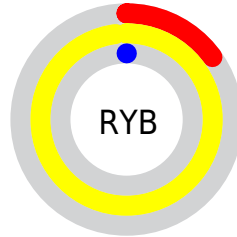
Distribution



Red (98%)

Green (85%)

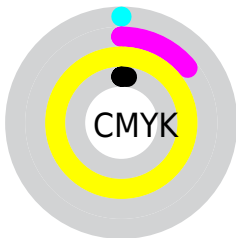
Blue (0%)



Red (15%)

Yellow (98%)

Blue (0%)

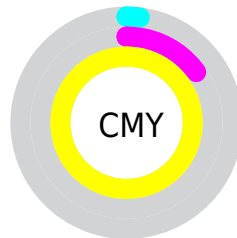


Cyan (0%)

Magenta (14%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (15%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.5965, 70.1349, 10.1328 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 64.5965, 70.1349, 10.1328 by changing the saturation by 10% instead.


 64.5965, 70.1349,
10.1328

 64.5965, 70.1349,
10.1328


430.9087,
461.0235, 202.1364


 47.3975, 51.6365,
5.3803


 110.5385,
119.4011, 26.6567


 33.5592, 36.7154,
2.4095


 140.0121,
150.9377, 39.2652

 22.7165, 24.9872,
0.7916

 174.3080,
187.5892, 55.3295

 14.5038, 16.0675,
0.0000

 213.7916,
229.7400, 75.2681

 8.5560, 9.5720,
0.0000

 258.8280,
277.7744, 99.4996

 4.5075, 5.1161,
0.0000

 309.7828,

 1.9930, 2.3155,

332.0769, 128.4424

0.0000

367.0212,
393.0318, 162.5152

■ 0.6301, 0.7819,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.5965, 70.1349,
10.1328

■ 64.5965, 70.1349,
10.1328

■ 64.5969, 70.1362,
10.1330

■ 65.6602, 71.9798,
11.3598

■ 66.9675, 73.9484,
13.7874

■ 68.5900, 76.0723,
17.7841

■ 70.5699, 78.3686,
23.5728

■ 72.9431, 80.8517,
31.3409

■ 75.7405, 83.5342,
41.2519

■ 78.9903, 86.4276,
53.4524

■ 82.7178, 89.5421,
68.0760

■ 86.9465, 92.8873,
85.2462

Harmonies

Analogous

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



86.0801, 70.1349, 13.6022



64.5965, 70.1349, 10.1328



47.4669, 70.1349, 15.5827

Triad

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



64.5965, 70.1349, 10.1328



38.8776, 70.1349, 155.5258



108.1235, 70.1349, 139.4833

Complementary

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



64.5965, 70.1349, 10.1328



17.9854, 8.1104, 91.8836

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.



90.4367, 70.1349, 214.6467



64.5965, 70.1349, 10.1328



50.4071, 70.1349, 226.7684

Square

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



64.5965, 70.1349, 10.1328



34.6475, 70.1349, 82.4972



68.7693, 70.1349, 252.5866



114.0368, 70.1349, 70.5444

Rectangle

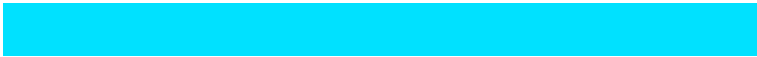
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.5965, 70.1349, 10.1328



39.9585, 70.1349, 26.7636



68.7693, 70.1349, 252.5866



103.2019, 70.1349, 165.8283

Sweetspot

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



64.5981, 70.1383, 10.1342



81.8693, 89.5808, 55.3590



40.1283, 20.6475, 3.6767



17.2067, 18.8973, 10.6437



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.



64.5981, 70.1383, 10.1342



66.9546, 72.6891, 10.5015



49.6340, 76.7972, 12.2082



18.5151, 19.7661, 18.3018



34.0343, 37.0252, 5.3528



3.2058, 3.5365, 0.5137

Inverse Universe

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



17.9854, 8.1104, 91.8836



18.6375, 8.3951, 95.2458



21.4248, 9.0339, 91.8805



16.4726, 17.0220, 21.8027



9.5125, 4.3805, 48.3177



0.9377, 0.5190, 4.4939

Previews

White Background



This preview shows how the XYZ color 64.5965, 70.1349, 10.1328 looks on a white background.

Color Contrast Check

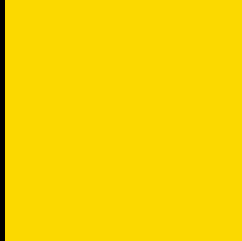
Large Text (above 18pt) WCAG AA × Fail

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 64.5965, 70.1349, 10.1328 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 64.5965, 70.1349, 10.1328

Background



This preview shows how black text looks on a background with the XYZ color 64.5965, 70.1349, 10.1328.

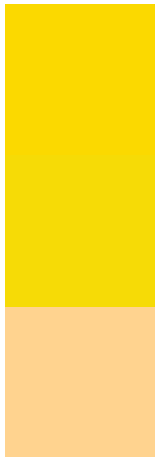


This preview shows how white text looks on a background with the XYZ color 64.5965, 70.1349,

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

64.5965, 70.1349, 10.1328

Protanopia

63.3704, 70.2690, 10.3956

Deuteranopia

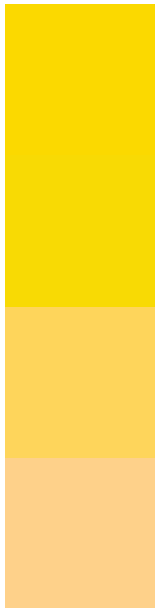
69.4922, 69.8317, 35.8028



Tritanopia

75.5957, 69.9324, 75.1596

Trichromacy



Original Color

64.5965, 70.1349, 10.1328

Protanomaly

63.8047, 70.1080, 10.2842

Deuteranomaly

66.5556, 69.4147, 19.7880

Tritanomaly

68.2610, 68.5067, 33.6701

Monochromacy



Original Color

64.5965, 70.1349, 10.1328

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

55.7905, 61.4263, 29.6849

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5965, 70.1349, 10.1328 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, 217, 0)` looks like.

```
.text, #text, p{  
    color:rgb(251, 217, 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(251, 217, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 217, 0) }
```

Border

The CSS property to change the border of an element to XYZ 64.5965, 70.1349, 10.1328 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, 217, 0) }
```


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

```
.border{ border-color:rgb(251, 217, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 217, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 217, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 217, 0);  
box-shadow:4px 4px 4px 4px rgb(251, 217,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5965, 70.1349, 10.1328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 217, 0) }
```

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

```
.background{ background-color: rgb(251,  
217, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor