

Converting Colors

XYZ(63.4684, 65.7170, 9.3395)

Have a look what the booklet for
XYZ(63.4684, 65.7170, 9.3395)
contains.

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Color

**XYZ(63.5528, 65.8856,
9.3676)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCF00
RGB	255, 207, 0
RGB Percent	100%, 81%, 0%
CMY	0.0000, 0.1882, 0.9999
CMYK	0.00, 0.19, 1.00, 0.00
HSL	49°, 100%, 50%
HSV	49°, 100%, 100%
XYZ	63.5528, 65.8856, 9.3676
YIQ	197.7540, 95.0550, -54.2010

Conversions

Conversions Part 2

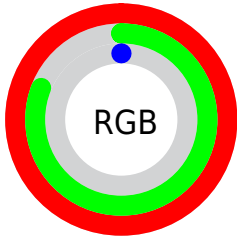
Format	Color
R _Y B	59, 255, 0
Decimal	16764672
CIE Lab	84.94, 2.14, 85.74
CIE LCh	85, 85.766, 88.567
Yxy	65.8856, 0.4579, 0.4747
Android (android.graphics.Color)	4294954752 (0xFFFFCF00)
YUV	197.7540, -97.4927, 50.2047
Hunter-Lab	81.1699, -2.2891, 49.9765

Details

The XYZ color **63.5528, 65.8856, 9.3676** 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 **19.1079, 9.3355, 95.4018**, and the grayscale version is **54.0634, 56.8789, 61.9411**.

A 20% lighter version of the original color is **78.7203, 93.4681, 22.9090**, and **33.3836, 34.1199, 4.8263** is the 20% darker color. If you saturate the color by 10%, you get **63.5530, 65.8864, 9.3678**, and if you desaturate by 10%, it is **64.9160, 68.3226, 10.7159**.

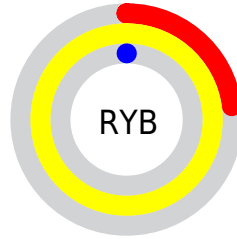
Distribution



Red (100%)

Green (81%)

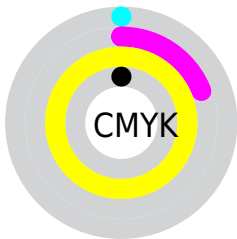
Blue (0%)



Red (23%)

Yellow (100%)

Blue (0%)

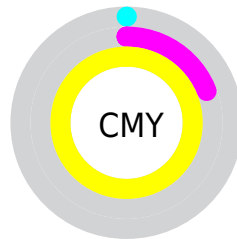


Cyan (0%)

Magenta (19%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (19%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.5528, 65.8856, 9.3676 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 63.5528, 65.8856, 9.3676 by changing the saturation by 10% instead.


 63.5528, 65.8856,
9.3676


 63.5528, 65.8856,
9.3676


427.2008,
445.9676, 196.4149


 46.5489, 48.1795,
4.8816


 109.0440,
113.3221, 25.1880


 32.8856, 33.9691,
2.1205


 138.2620,
143.8214, 37.3595

 22.1977, 22.8699,
0.6279


 172.2820,
179.3538, 52.9299

 14.1196, 14.4974,
0.0000

 211.4695,
220.3038, 72.3178

 8.2862, 8.4674,
0.0000

 256.1898,
267.0558, 95.9417

 4.3319, 4.3955,
0.0000

 306.8082,

 1.8916, 1.8972,

319.9942, 124.2202

0.0000

363.6901,
379.5033, 157.5717

■ 0.5719, 0.5467,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.5528, 65.8856,
9.3676

■ 63.5528, 65.8856,
9.3676

■ 63.5530, 65.8864,
9.3678

■ 64.9160, 68.3226,
10.7159

■ 66.5492, 70.9220,
13.3167

■ 68.5263, 73.7165,
17.5506

■ 70.8915, 76.7243,
23.6499

■ 73.6822, 79.9607,
31.8091

■ 76.9309, 83.4393,
42.1986

■ 80.6668, 87.1722,
54.9708

■ 84.9167, 91.1705,
70.2646

■ 89.7050, 95.4445,
88.2083

Harmonies

Analogous

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



83.9888, 65.8856, 13.9607



63.5528, 65.8856, 9.3676



46.5299, 65.8856, 13.0890

Triad

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



63.5528, 65.8856, 9.3676



35.4031, 65.8856, 135.3476



99.8347, 65.8856, 142.4825

Complementary

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



63.5528, 65.8856, 9.3676



19.1079, 9.3355, 95.4018

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.



82.0534, 65.8856, 211.0225



63.5528, 65.8856, 9.3676



45.2266, 65.8856, 205.6250

Square

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



63.5528, 65.8856, 9.3676



32.4165, 65.8856, 69.1189



61.7009, 65.8856, 238.5832



107.4198, 65.8856, 74.4229

Rectangle

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



63.5528, 65.8856, 9.3676



38.7581, 65.8856, 21.9533



61.7009, 65.8856, 238.5832



94.6936, 65.8856, 167.3011

Sweetspot

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



63.5543, 65.8888, 9.3689



80.6635, 87.1690, 54.9571



41.8379, 21.4996, 5.0791



16.9151, 18.3141, 10.5465



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.



63.5543, 65.8888, 9.3689



63.5535, 65.8870, 9.3678



54.2365, 81.0445, 12.7853



19.2535, 20.4752, 19.0817



33.3121, 34.6355, 4.9296



3.3150, 3.5154, 0.5038

Inverse Universe

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



19.1079, 9.3355, 95.4018



19.1068, 9.3337, 95.4023



21.0719, 8.7783, 95.1907



17.2796, 17.9308, 22.8002



10.0623, 5.0342, 49.8759



1.0498, 0.6303, 4.8796

Previews

White Background



This preview shows how the XYZ color 63.5528, 65.8856, 9.3676 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 63.5528, 65.8856, 9.3676 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 63.5528, 65.8856, 9.3676

Background



This preview shows how black text looks on a background with the XYZ color 63.5528, 65.8856, 9.3676.



This preview shows how white text looks on a background with the XYZ color 63.5528, 65.8856,

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

63.5528, 65.8856, 9.3676

Protanopia

59.7898, 66.1379, 9.9312

Deuteranopia

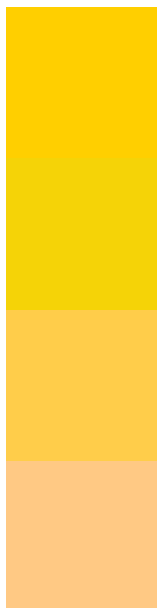
66.0438, 65.7301, 26.0359



Tritanopia

72.5914, 65.7466, 68.5389

Trichromacy



Original Color

63.5528, 65.8856, 9.3676

Protanomaly

60.9888, 66.0163, 9.7290

Deuteranomaly

64.3074, 65.4171, 15.7160

Tritanomaly

66.2915, 64.6992, 30.8241

Monochromacy



Original Color

63.5528, 65.8856, 9.3676

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

53.8660, 58.3397, 28.1603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.5528, 65.8856, 9.3676 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, 207, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 207, 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, 207, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 207, 0) }
```

Border

The CSS property to change the border of an element to XYZ 63.5528, 65.8856, 9.3676 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, 207, 0) }
```


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

```
.border{ border-color:rgb(255, 207, 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, 207, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 207, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 207, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 207,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 63.5528, 65.8856, 9.3676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 207, 0) }
```

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

```
.background{ background-color: rgb(255,  
207, 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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