

Converting Colors

XYZ(64.3946, 67.5692, 9.6482)

Have a look what the booklet for
XYZ(64.3946, 67.5692, 9.6482)
contains.

XYZ(64.2866, 67.3532, 9.6122)	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(64.2866, 67.3532,
9.6122)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD200
RGB	255, 210, 0
RGB Percent	100%, 82%, 0%
CMY	0.0000, 0.1764, 0.9999
CMYK	0.00, 0.18, 1.00, 0.00
HSL	49°, 100%, 50%
HSV	49°, 100%, 100%
XYZ	64.2866, 67.3532, 9.6122
YIQ	199.5150, 94.2300, -55.7700

Conversions

Conversions Part 2

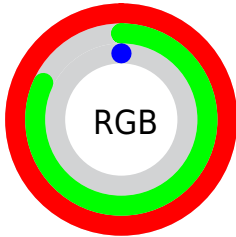
Format	Color
R _Y B	55, 255, 0
Decimal	16765440
CIE Lab	85.68, 0.61, 86.26
CIE LCh	86, 86.262, 89.592
Yxy	67.3532, 0.4551, 0.4768
Android (android.graphics.Color)	4294955520 (0xFFFFD200)
YUV	199.5150, -98.3609, 48.6603
Hunter-Lab	82.0690, -3.7974, 50.5041

Details

The XYZ color **64.2866, 67.3532, 9.6122** 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 **18.9893, 9.0983, 95.3623**, and the grayscale version is **55.1497, 58.0218, 63.1858**.

A 20% lighter version of the original color is **78.7615, 93.4846, 23.1257**, and **33.8808, 35.1144, 4.9920** is the 20% darker color. If you saturate the color by 10%, you get **64.2868, 67.3541, 9.6124**, and if you desaturate by 10%, it is **65.5958, 69.6823, 10.9425**.

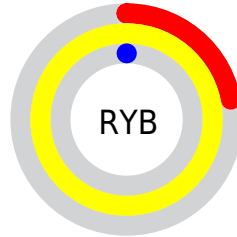
Distribution



Red (100%)

Green (82%)

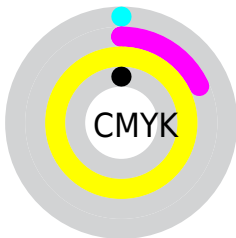
Blue (0%)



Red (22%)

Yellow (100%)

Blue (0%)

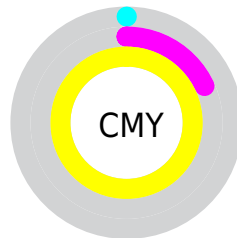


Cyan (0%)

Magenta (18%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (18%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.2866, 67.3532, 9.6122 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 64.2866, 67.3532, 9.6122 by changing the saturation by 10% instead.


 64.2866, 67.3532,
9.6122

 64.2866, 67.3532,
9.6122


429.8097,
451.2010, 198.2646


 47.1454, 49.3717,
5.0404


 110.0950,
115.4264, 25.6598


 33.3590, 34.9144,
2.2118

 139.4929,
146.2868, 37.9727

 22.5622, 23.5970,
0.6812

 173.7071,
182.2091, 53.7029

 14.3895, 15.0349,
0.0000

 213.1029,
223.5775, 73.2692

 8.4756, 8.8439,
0.0000

 258.0458,
270.7765, 97.0899

 4.4551, 4.6395,
0.0000

 308.9009,

 1.9627, 2.0373,

324.1905, 125.5837

0.0000

366.0338,
384.2039, 159.1691

■ 0.6129, 0.6290,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.2866, 67.3532,
9.6122

■ 64.2866, 67.3532,
9.6122

■ 64.2868, 67.3541,
9.6124

■ 65.5958, 69.6823,
10.9425

■ 67.1709, 72.1654,
13.5240

■ 69.0856, 74.8351,
17.7372

■ 71.3842, 77.7096,
23.8143

■ 74.1039, 80.8040,
31.9500

■ 77.2772, 84.1319,
42.3144

■ 80.9334, 87.7052,
55.0600

■ 85.0989, 91.5349,
70.3258

■ 89.7985, 95.6313,
88.2400

Harmonies

Analogous

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



85.1186, 67.3532, 13.9883



64.2866, 67.3532, 9.6122



47.1065, 67.3532, 13.7345

Triad

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



64.2866, 67.3532, 9.6122



36.4528, 67.3532, 140.8364



102.4638, 67.3532, 142.9083

Complementary

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



64.2866, 67.3532, 9.6122



18.9893, 9.0983, 95.3623

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.



84.5564, 67.3532, 213.4910



64.2866, 67.3532, 9.6122



46.7277, 67.3532, 211.9240

Square

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



64.2866, 67.3532, 9.6122



33.1700, 67.3532, 72.5684



63.7485, 67.3532, 243.5871



109.7428, 67.3532, 74.1094

Rectangle

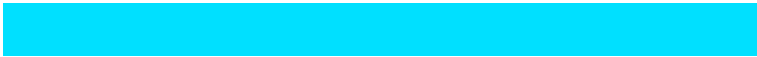
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.2866, 67.3532, 9.6122



39.3330, 67.3532, 23.1656



63.7485, 67.3532, 243.5871



97.3285, 67.3532, 168.2710

Sweetspot

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



64.2881, 67.3565, 9.6135



80.9300, 87.7020, 55.0459



41.7484, 21.4638, 4.6078



16.9795, 18.4428, 10.5680



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.



64.2881, 67.3565, 9.6135



64.2873, 67.3547, 9.6124



53.2729, 80.5478, 12.7403



19.2725, 20.5132, 19.0880



33.6909, 35.3931, 5.0558



3.3486, 3.5826, 0.5150

Inverse Universe

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



18.9893, 9.0983, 95.3623



18.9883, 9.0965, 95.3628



21.4236, 8.9596, 95.2072



17.2621, 17.8958, 22.7944



9.9964, 4.9023, 49.8540



1.0409, 0.6124, 4.8766

Previews

White Background



This preview shows how the XYZ color 64.2866, 67.3532, 9.6122 looks on a white background.

Color Contrast Check

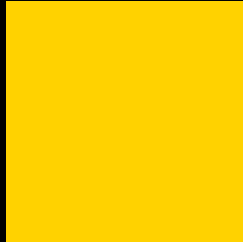
Large Text (above 18pt) WCAG AA × Fail

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 64.2866, 67.3532, 9.6122 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 64.2866, 67.3532, 9.6122

Background



This preview shows how black text looks on a background with the XYZ color 64.2866, 67.3532, 9.6122.



This preview shows how white text looks on a background with the XYZ color 64.2866, 67.3532,

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

64.2866, 67.3532, 9.6122

Protanopia

60.9732, 67.5000, 10.1023

Deuteranopia

67.3836, 67.4180, 29.5401



Tritanopia

73.6521, 67.2717, 70.7309

Trichromacy



Original Color

64.2866, 67.3532, 9.6122

Protanomaly

62.1849, 67.3758, 9.8996

Deuteranomaly

65.2811, 66.9658, 17.2696

Tritanomaly

67.1359, 66.1670, 31.7873

Monochromacy



Original Color

64.2866, 67.3532, 9.6122

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

54.9388, 59.9337, 28.7514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.2866, 67.3532, 9.6122 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, 210, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 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, 210, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 0) }
```

Border

The CSS property to change the border of an element to XYZ 64.2866, 67.3532, 9.6122 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, 210, 0) }
```


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

```
.border{ border-color:rgb(255, 210, 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, 210, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2866, 67.3532, 9.6122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 210, 0) }
```

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

```
.background{ background-color: rgb(255,  
210, 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