

Converting Colors

XYZ(64.7331, 68.2462, 9.7610)

Have a look what the booklet for
XYZ(64.7331, 68.2462, 9.7610)
contains.

XYZ(64.7835, 68.3470, 9.7778)	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(64.7835, 68.3470,
9.7778)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD400
RGB	255, 212, 0
RGB Percent	100%, 83%, 0%
CMY	0.0000, 0.1686, 0.9999
CMYK	0.00, 0.17, 1.00, 0.00
HSL	50°, 100%, 50%
HSV	50°, 100%, 100%
XYZ	64.7835, 68.3470, 9.7778
YIQ	200.6890, 93.6800, -56.8160

Conversions

Conversions Part 2

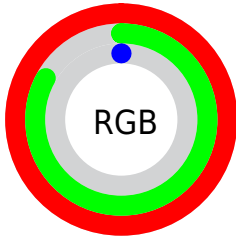
Format	Color
R _Y B	52, 255, 0
Decimal	16765952
CIE Lab	86.18, -0.40, 86.61
CIE LCh	86, 86.611, 90.267
Yxy	68.3470, 0.4533, 0.4783
Android (android.graphics.Color)	4294956032 (0xFFFFD400)
YUV	200.6890, -98.9397, 47.6307
Hunter-Lab	82.6722, -4.8005, 50.8582

Details

The XYZ color **64.7835, 68.3470, 9.7778** 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 **18.9147, 8.9492, 95.3374**, and the grayscale version is **55.8809, 58.7910, 64.0234**.

A 20% lighter version of the original color is **78.7615, 93.4846, 23.1257**, and **34.2192, 35.7912, 5.1048** is the 20% darker color. If you saturate the color by 10%, you get **64.7838, 68.3481, 9.7780**, and if you desaturate by 10%, it is **66.0554, 70.6013, 11.0956**.

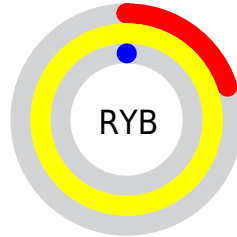
Distribution



Red (100%)

Green (83%)

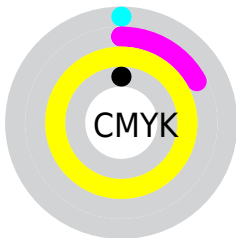
Blue (0%)



Red (20%)

Yellow (100%)

Blue (0%)

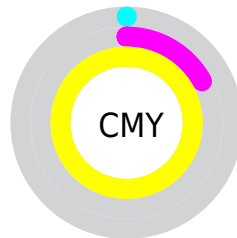


Cyan (0%)

Magenta (17%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (17%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.7835, 68.3470, 9.7778 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 64.7835, 68.3470, 9.7778 by changing the saturation by 10% instead.


 64.7835, 68.3470,
9.7778


 64.7835, 68.3470,
9.7778


431.5711,
454.7245, 199.5056


 47.5496, 50.1801,
5.1482


 110.8060,
116.8484, 25.9780


 33.6801, 35.5565,
2.2742


 140.3253,
147.9517, 38.3856

 22.8097, 24.0919,
0.7167


 174.6704,
184.1359, 54.2230

 14.5730, 15.4018,
0.0000

 214.2067,
225.7854, 73.9088

 8.6046, 9.1019,
0.0000

 259.2996,
273.2846, 97.8614

 4.5392, 4.8077,
0.0000

 310.3144,

 2.0115, 2.1349,

327.0180, 126.4993

0.0000

367.6164,
387.3698, 160.2412

■ 0.6404, 0.6841,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.7835, 68.3470,
9.7778

■ 64.7835, 68.3470,
9.7778

■ 64.7838, 68.3481,
9.7780

■ 66.0554, 70.6013,
11.0956

■ 67.5904, 73.0043,
13.6638

■ 69.4623, 75.5885,
17.8627

■ 71.7154, 78.3721,
23.9245

■ 74.3869, 81.3702,
32.0441

■ 77.5093, 84.5961,
42.3915

■ 81.1117, 88.0618,
55.1191

■ 85.2206, 91.7784,
70.3660

■ 89.8607, 95.7558,
88.2603

Harmonies

Analogous

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



85.8833, 68.3470, 14.0077



64.7835, 68.3470, 9.7778



47.4966, 68.3470, 14.1763

Triad

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



64.7835, 68.3470, 9.7778



37.1651, 68.3470, 144.5797



104.2466, 68.3470, 143.2059

Complementary

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



64.7835, 68.3470, 9.7778



18.9147, 8.9492, 95.3374

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.



86.2561, 68.3470, 215.1639



64.7835, 68.3470, 9.7778



47.7479, 68.3470, 216.2028

Square

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



64.7835, 68.3470, 9.7778



33.6802, 68.3470, 74.9305



65.1404, 68.3470, 246.9764



111.3160, 68.3470, 73.9084

Rectangle

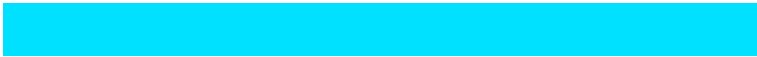
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.7835, 68.3470, 9.7778



39.7217, 68.3470, 23.9976



65.1404, 68.3470, 246.9764



99.1161, 68.3470, 168.9344

Sweetspot

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



64.7850, 68.3503, 9.7791



81.1084, 88.0589, 55.1054



41.7484, 21.4638, 4.6077



17.0226, 18.5291, 10.5824



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.



64.7850, 68.3503, 9.7791



64.7843, 68.3486, 9.7781



53.2729, 80.5478, 12.7402



19.2852, 20.5386, 19.0922



33.9474, 35.9059, 5.1413



3.3713, 3.6279, 0.5226

Inverse Universe

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



18.9147, 8.9492, 95.3374



18.9138, 8.9475, 95.3379



21.4236, 8.9596, 95.2072



17.2505, 17.8725, 22.7905



9.9547, 4.8190, 49.8401



1.0351, 0.6010, 4.8747

Previews

White Background



This preview shows how the XYZ color 64.7835, 68.3470, 9.7778 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 64.7835, 68.3470, 9.7778 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 64.7835, 68.3470, 9.7778

Background



This preview shows how black text looks on a background with the XYZ color 64.7835, 68.3470, 9.7778.



This preview shows how white text looks on a background with the XYZ color 64.7835, 68.3470,

9.7778.

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

64.7835, 68.3470, 9.7778

Protanopia

61.5673, 68.1861, 10.1747

Deuteranopia

68.0295, 68.0652, 31.7427



Tritanopia

74.3708, 68.3052, 72.2152

Trichromacy



Original Color

64.7835, 68.3470, 9.7778

Protanomaly

62.6911, 68.3882, 10.0684

Deuteranomaly

65.6802, 67.5168, 18.1647

Tritanomaly

67.7552, 67.1802, 32.6885

Monochromacy



Original Color

64.7835, 68.3470, 9.7778

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 64.7835, 68.3470, 9.7778 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, 212, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 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, 212, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 0) }
```

Border

The CSS property to change the border of an element to XYZ 64.7835, 68.3470, 9.7778 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, 212, 0) }
```


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

```
.border{ border-color:rgb(255, 212, 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, 212, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7835, 68.3470, 9.7778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 212, 0) }
```

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

```
.background{ background-color: rgb(255,  
212, 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