

Converting Colors

XYZ(84.9522, 84.3841, 10.7638)

Have a look what the booklet for
XYZ(84.9522, 84.3841, 10.7638)
contains.

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Color

**XYZ(68.4364, 75.6527,
10.9955)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE200
RGB	255, 226, 0
RGB Percent	100%, 89%, 0%
CMY	0.0000, 0.1137, 0.9999
CMYK	0.00, 0.11, 1.00, 0.00
HSL	53°, 100%, 50%
HSV	53°, 100%, 100%
XYZ	68.4364, 75.6527, 10.9955
YIQ	208.9070, 89.8300, -64.1380

Conversions

Conversions Part 2

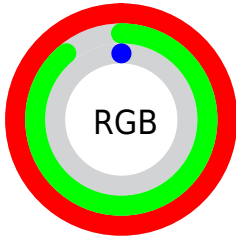
Format	Color
R _Y B	33, 255, 0
Decimal	16769536
CIE Lab	89.70, -7.45, 89.10
CIE LCh	90, 89.413, 94.778
Yxy	75.6527, 0.4413, 0.4878
Android (android.graphics.Color)	4294959616 (0xFFFFE200)
YUV	208.9070, -102.9912, 40.4236
Hunter-Lab	86.9786, -11.7653, 53.3898

Details

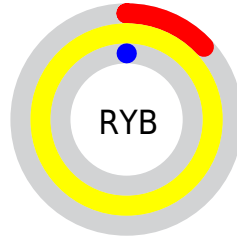
The XYZ color **68.4364, 75.6527, 10.9955** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **18.4903, 8.1001, 95.1960**, and the grayscale version is **61.1577, 64.3427, 70.0692**.

A 20% lighter version of the original color is **78.8883, 93.5353, 23.7938**, and **36.5552, 40.4633, 5.8835** is the 20% darker color. If you saturate the color by 10%, you get **68.4369, 75.6542, 10.9957**, and if you desaturate by 10%, it is **69.4144, 77.3192, 12.2157**.

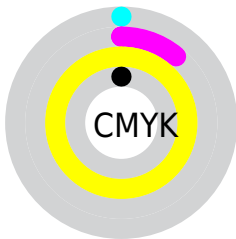
Distribution



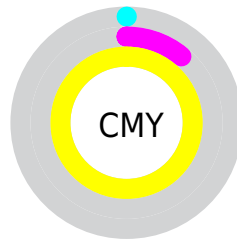
- Red (100%)
- Green (89%)
- Blue (0%)



- Red (13%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (11%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (11%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.4364, 75.6527, 10.9955 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 68.4364, 75.6527, 10.9955 by changing the saturation by 10% instead.


 68.4364, 75.6527,
10.9955

 68.4364, 75.6527,
10.9955


444.3932,
480.1580, 208.3730


 50.5278, 56.1478,
5.9497


 116.0147,
127.2359, 28.2884


 36.0525, 40.3214,
2.7462


 146.4151,
160.0829, 41.3725


 24.6450, 27.7892,
0.9666


 181.7103,
198.1460, 57.9731

 15.9401, 18.1668,
0.0000

 222.2654,
241.8098, 78.5088

 9.5724, 11.0698,
0.0000

 268.4459,
291.4584, 103.3981

 5.1764, 6.1138,
0.0000

 320.6171,

 2.3870, 2.9144,

347.4764, 133.0596

0.0000

379.1444,
410.2481, 167.9117

■ 0.8386, 1.0872,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.4364, 75.6527,
10.9955

■ 68.4364, 75.6527,
10.9955

■ 68.4369, 75.6542,
10.9957

■ 69.4144, 77.3192,
12.2157

■ 70.6400, 79.1032,
14.6811

■ 72.1869, 81.0373,
18.7721

■ 74.0993, 83.1393,
24.7209

■ 76.4142, 85.4239,
32.7221

■ 79.1640, 87.9044,
42.9459

■ 82.3775, 90.5923,
55.5446

■ 86.0814, 93.4984,
70.6571

■ 90.2999, 96.6325,
88.4116

Harmonies

Analogous

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



91.4965, 75.6527, 14.1686



68.4364, 75.6527, 10.9955



50.3597, 75.6527, 17.5275

Triad

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



68.4364, 75.6527, 10.9955



42.4367, 75.6527, 172.6926



117.4076, 75.6527, 145.5933

Complementary

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



68.4364, 75.6527, 10.9955



18.4903, 8.1001, 95.1960

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.



98.8581, 75.6527, 227.4847



68.4364, 75.6527, 10.9955



55.3321, 75.6527, 247.9499

Square

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



68.4364, 75.6527, 10.9955



37.4302, 75.6527, 92.8911



75.4901, 75.6527, 271.9011



122.8830, 75.6527, 72.6803

Rectangle

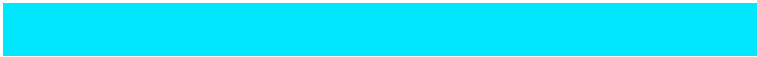
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.4364, 75.6527, 10.9955



42.5691, 75.6527, 30.3663



75.4901, 75.6527, 271.9011



112.3320, 75.6527, 173.9548

Sweetspot

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



68.4381, 75.6563, 10.9970



82.3736, 90.5893, 55.5271



41.4716, 21.3532, 3.1493



17.3289, 19.1417, 10.6845



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.



68.4381, 75.6563, 10.9970



68.4374, 75.6547, 10.9958



49.7158, 78.7141, 12.5740



19.3745, 20.7171, 19.1220



35.8305, 39.6722, 5.7690



3.5367, 3.9588, 0.5777

Inverse Universe

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



18.4903, 8.1001, 95.1960



18.4893, 8.0985, 95.1964



23.0625, 9.8046, 95.2840



17.1693, 17.7102, 22.7634



9.7136, 4.3368, 49.7597



0.9970, 0.5247, 4.8620

Previews

White Background



This preview shows how the XYZ color 68.4364, 75.6527, 10.9955 looks on a white background.

Color Contrast Check

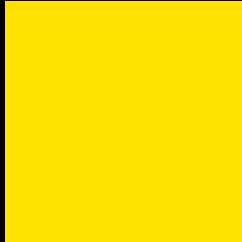
Large Text (above 18pt) WCAG AA × Fail

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 68.4364, 75.6527, 10.9955 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 68.4364, 75.6527, 10.9955

Background



This preview shows how black text looks on a background with the XYZ color 68.4364, 75.6527, 10.9955.



This preview shows how white text looks on a background with the XYZ color 68.4364, 75.6527,

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

68.4364, 75.6527, 10.9955

Protanopia

68.4473, 75.6571, 11.0532

Deuteranopia

74.1839, 75.3867, 49.1692



Tritanopia

79.2679, 75.3519, 82.3180

Trichromacy



Original Color

68.4364, 75.6527, 10.9955

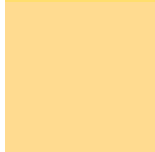
Protanomaly

68.4418, 75.6549, 11.0243



Deuteranomaly

70.1216, 74.6067, 25.1727



Tritanomaly

71.6056, 73.9367, 36.8827

Monochromacy



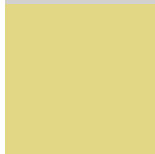
Original Color

68.4364, 75.6527, 10.9955



Achromatopsia

60.6036, 63.7597, 69.4343



Achromatomaly

59.8981, 66.4631, 31.8620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4364, 75.6527, 10.9955 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, 226, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 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, 226, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 0) }
```

Border

The CSS property to change the border of an element to XYZ 68.4364, 75.6527, 10.9955 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, 226, 0) }
```


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

```
.border{ border-color:rgb(255, 226, 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, 226, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4364, 75.6527, 10.9955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 226, 0) }
```

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

```
.background{ background-color: rgb(255,  
226, 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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