

Converting Colors

XYZ(81.3757, 81.8994, 7.3037)

Have a look what the booklet for
XYZ(81.3757, 81.8994, 7.3037)
contains.

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Color

**XYZ(68.1652, 75.1104,
10.9051)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE100
RGB	255, 225, 0
RGB Percent	100%, 88%, 0%
CMY	0.0000, 0.1176, 0.9999
CMYK	0.00, 0.12, 1.00, 0.00
HSL	53°, 100%, 50%
HSV	53°, 100%, 100%
XYZ	68.1652, 75.1104, 10.9051
YIQ	208.3200, 90.1050, -63.6150

Conversions

Conversions Part 2

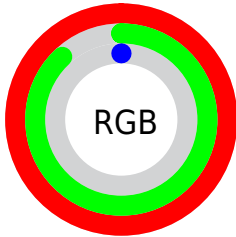
Format	Color
R _Y B	34, 255, 0
Decimal	16769280
CIE Lab	89.44, -6.95, 88.92
CIE LCh	89, 89.193, 94.469
Yxy	75.1104, 0.4421, 0.4872
Android (android.graphics.Color)	4294959360 (0xFFFFE100)
YUV	208.3200, -102.7018, 40.9384
Hunter-Lab	86.6663, -11.2712, 53.2060

Details

The XYZ color **68.1652, 75.1104, 10.9051** 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 **18.5151, 8.1499, 95.2042**, and the grayscale version is **60.7715, 63.9363, 69.6267**.

A 20% lighter version of the original color is **78.8883, 93.5353, 23.7938**, and **36.3670, 40.0869, 5.8208** is the 20% darker color. If you saturate the color by 10%, you get **68.1657, 75.1119, 10.9053**, and if you desaturate by 10%, it is **69.1661, 76.8227, 12.1329**.

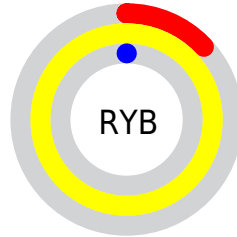
Distribution



Red (100%)

Green (88%)

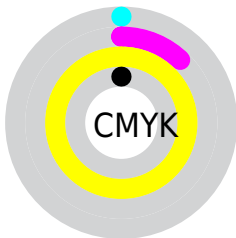
Blue (0%)



Red (13%)

Yellow (100%)

Blue (0%)

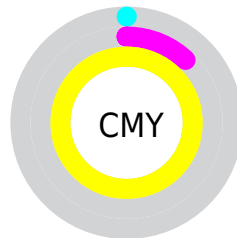


Cyan (0%)

Magenta (12%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (12%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.1652, 75.1104, 10.9051 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 68.1652, 75.1104, 10.9051 by changing the saturation by 10% instead.


 68.1652, 75.1104,
10.9051

 68.1652, 75.1104,
10.9051


443.4487,
478.2969, 207.7293


 50.3063, 55.7033,
5.8897


 115.6291,
126.4686, 28.1185


 35.8756, 39.9651,
2.7104


 145.9647,
159.1886, 41.1536


 24.5078, 27.5114,
0.9487


 181.1900,
197.1150, 57.6990

 15.8375, 17.9576,
0.0000

 221.6704,
240.6321, 78.1732

 9.4994, 10.9196,
0.0000

 267.7710,
290.1245, 102.9948

 5.1280, 6.0128,
0.0000

 319.8574,

 2.3581, 2.8529,

345.9765, 132.5823

0.0000

378.2948,
408.5725, 167.3543

■ 0.8241, 1.0554,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.1652, 75.1104,
10.9051

■ 68.1652, 75.1104,
10.9051

■ 68.1657, 75.1119,
10.9053

■ 69.1661, 76.8227,
12.1329

■ 70.4155, 78.6543,
14.6062

■ 71.9871, 80.6379,
18.7053

■ 73.9252, 82.7912,
24.6626

■ 76.2667, 85.1290,
32.6726

■ 79.0439, 87.6646,
42.9055

■ 82.2860, 90.4095,
55.5136

■ 86.0193, 93.3746,
70.6358

■ 90.2682, 96.5695,
88.4003

Harmonies

Analogous

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



91.0803, 75.1104, 14.1556



68.1652, 75.1104, 10.9051



50.1474, 75.1104, 17.2729

Triad

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



68.1652, 75.1104, 10.9051



42.0435, 75.1104, 170.5724



116.4276, 75.1104, 145.4049

Complementary

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



68.1652, 75.1104, 10.9051



18.5151, 8.1499, 95.2042

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.



97.9167, 75.1104, 226.5688



68.1652, 75.1104, 10.9051



54.7644, 75.1104, 245.5769

Square

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



68.1652, 75.1104, 10.9051



37.1518, 75.1104, 91.5243



74.7153, 75.1104, 270.0504



122.0243, 75.1104, 72.7576

Rectangle

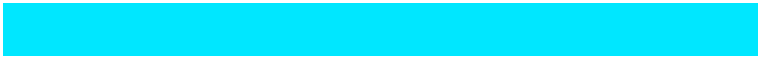
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.1652, 75.1104, 10.9051



42.3583, 75.1104, 29.8793



74.7153, 75.1104, 270.0504



111.3468, 75.1104, 173.5741

Sweetspot

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



68.1669, 75.1140, 10.9066



82.2823, 90.4067, 55.4967



41.5291, 21.3762, 3.4526



17.3068, 19.0974, 10.6771



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.



68.1669, 75.1140, 10.9066



68.1663, 75.1125, 10.9054



50.5610, 79.1497, 12.6135



19.3681, 20.7043, 19.1199



35.6908, 39.3929, 5.7225



3.5245, 3.9344, 0.5736

Inverse Universe

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



18.5151, 8.1499, 95.2042



18.5142, 8.1483, 95.2047



22.6172, 9.5750, 95.2630



17.1751, 17.7217, 22.7654



9.7280, 4.3656, 49.7645



0.9997, 0.5301, 4.8629

Previews

White Background



This preview shows how the XYZ color 68.1652, 75.1104, 10.9051 looks on a white background.

Color Contrast Check

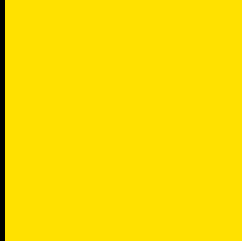
Large Text (above 18pt) WCAG AA × Fail

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 68.1652, 75.1104, 10.9051 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 68.1652, 75.1104, 10.9051

Background



This preview shows how black text looks on a background with the XYZ color 68.1652, 75.1104, 10.9051.



This preview shows how white text looks on a background with the XYZ color 68.1652, 75.1104,

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

68.1652, 75.1104, 10.9051

Protanopia

67.8147, 74.9278, 10.9744

Deuteranopia

73.7329, 74.7876, 48.0854



Tritanopia

78.8772, 74.7894, 81.5127

Trichromacy



Original Color

68.1652, 75.1104, 10.9051

Protanomaly

67.8092, 74.9256, 10.9456



Deuteranomaly

69.8032, 74.0556, 24.8025



Tritanomaly

71.2693, 73.3860, 36.3952

Monochromacy



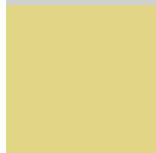
Original Color

68.1652, 75.1104, 10.9051



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

59.2628, 65.7666, 31.4005

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1652, 75.1104, 10.9051 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, 225, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 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, 225, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 0) }
```

Border

The CSS property to change the border of an element to XYZ 68.1652, 75.1104, 10.9051 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, 225, 0) }
```


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

```
.border{ border-color:rgb(255, 225, 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, 225, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1652, 75.1104, 10.9051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 225, 0) }
```

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

```
.background{ background-color: rgb(255,  
225, 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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