

Converting Colors

XYZ(68.8118, 76.4035, 11.1206)

Have a look what the booklet for
XYZ(68.8118, 76.4035, 11.1206)
contains.

| | |
|--|----|
| XYZ(68.7091, 76.1982, 11.0864) | 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(68.7091, 76.1982,
11.0864)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFE300 |
| RGB | 255, 227, 0 |
| RGB Percent | 100%, 89%, 0% |
| CMY | 0.0000, 0.1098, 0.9999 |
| CMYK | 0.00, 0.11, 1.00, 0.00 |
| HSL | 53°, 100%, 50% |
| HSV | 53°, 100%, 100% |
| XYZ | 68.7091, 76.1982, 11.0864 |
| YIQ | 209.4940, 89.5550, -64.6610 |

Conversions

Conversions Part 2

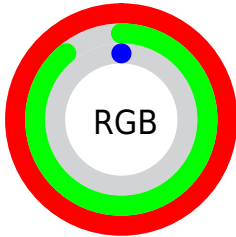
| Format | Color |
|-------------------------------------|---------------------------------|
| R _Y B | 31, 255, 0 |
| Decimal | 16769792 |
| CIE Lab | 89.95, -7.95, 89.28 |
| CIE LCh | 90, 89.636, 95.086 |
| Yxy | 76.1982, 0.4405, 0.4885 |
| Android (android.graphics.Color) | 4294959872 (0xFFFFE300) |
| YUV | 209.4940, -103.2805, 39.9088 |
| Hunter-Lab | 87.2916, -12.2590, 53.5740 |

Details

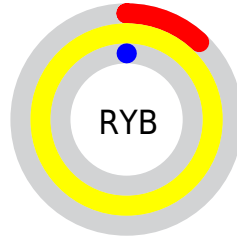
The XYZ color **68.7091, 76.1982, 11.0864** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **18.4661, 8.0518, 95.1878**, and the grayscale version is **61.5452, 64.7504, 70.5132**.

A 20% lighter version of the original color is **78.8883, 93.5353, 23.7938**, and **36.7448, 40.8425, 5.9467** is the 20% darker color. If you saturate the color by 10%, you get **68.7097, 76.1998, 11.0867**, and if you desaturate by 10%, it is **69.6639, 77.8183, 12.2989**.

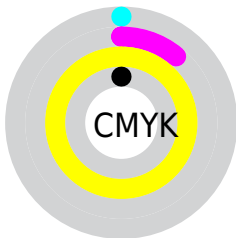
Distribution



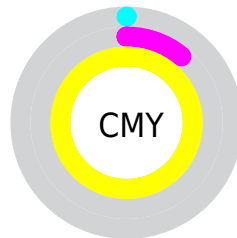
- Red (100%)
- Green (89%)
- Blue (0%)



- Red (12%)
- 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 68.7091, 76.1982, 11.0864 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 68.7091, 76.1982, 11.0864 by changing the saturation by 10% instead.


 68.7091, 76.1982,
11.0864

 68.7091, 76.1982,
11.0864


445.3418,
482.0259, 209.0180


 50.7506, 56.5950,
6.0101


 116.4023,
128.0070, 28.4589


 36.2304, 40.6802,
2.7823


 146.8678,
160.9815, 41.5922


 24.7831, 28.0693,
0.9846


 182.2330,
199.1819, 58.2482

 16.0434, 18.3779,
0.0000

 222.8632,
242.9925, 78.8454

 9.6459, 11.2216,
0.0000

 269.1238,
292.7979, 103.8025

 5.2253, 6.2161,
0.0000

 321.3802,

 2.4162, 2.9769,

348.9823, 133.5380

0.0000

379.9977,
411.9302, 168.4703

■ 0.8532, 1.1197,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.7091, 76.1982,
11.0864

■ 68.7091, 76.1982,
11.0864

■ 68.7097, 76.1998,
11.0867

■ 69.6639, 77.8183,
12.2989

■ 70.8654, 79.5542,
14.7562

■ 72.3874, 81.4383,
18.8388

■ 74.2738, 83.4884,
24.7790

■ 76.5619, 85.7195,
32.7712

■ 79.2839, 88.1445,
42.9857

■ 82.4688, 90.7751,
55.5748

■ 86.1431, 93.6221,
70.6774

■ 90.3311, 96.6951,
88.4217

Harmonies

Analogous

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



91.9151, 76.1982, 14.1817



68.7091, 76.1982, 11.0864



50.5731, 76.1982, 17.7845

Triad

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



68.7091, 76.1982, 11.0864



42.8326, 76.1982, 174.8309



118.3940, 76.1982, 145.7842

Complementary

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



68.7091, 76.1982, 11.0864



18.4661, 8.0518, 95.1878

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.



99.8061, 76.1982, 228.4062



68.7091, 76.1982, 11.0864



55.9038, 76.1982, 250.3398

Square

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



68.7091, 76.1982, 11.0864



37.7101, 76.1982, 94.2714



76.2707, 76.1982, 273.7632



123.7469, 76.1982, 72.6042

Rectangle

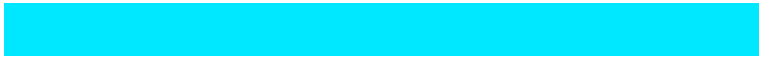
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.7091, 76.1982, 11.0864



42.7810, 76.1982, 30.8584



76.2707, 76.1982, 273.7632



113.3237, 76.1982, 174.3387

Sweetspot

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



68.7108, 76.2019, 11.0879



82.4651, 90.7724, 55.5576



41.4715, 21.3531, 3.1493



17.3511, 19.1861, 10.6919



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.



68.7108, 76.2019, 11.0879



68.7102, 76.2005, 11.0867



49.7157, 78.7139, 12.5740



19.3809, 20.7299, 19.1241



35.9710, 39.9533, 5.8159



3.5490, 3.9833, 0.5818

Inverse Universe

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



18.4661, 8.0518, 95.1878



18.4652, 8.0503, 95.1884



23.0624, 9.8045, 95.2839



17.1635, 17.6986, 22.7615



9.6996, 4.3088, 49.7550



0.9943, 0.5193, 4.8611

Previews

White Background



This preview shows how the XYZ color 68.7091, 76.1982, 11.0864 looks on a white background.

Color Contrast Check

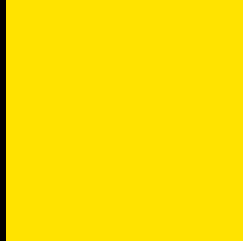
Large Text (above 18pt) WCAG AA × Fail

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 68.7091, 76.1982, 11.0864 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 68.7091, 76.1982, 11.0864

Background



This preview shows how black text looks on a background with the XYZ color 68.7091, 76.1982, 11.0864.



This preview shows how white text looks on a background with the XYZ color 68.7091, 76.1982,

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

68.7091, 76.1982, 11.0864

Protanopia

68.9564, 76.2971, 12.3887

Deuteranopia

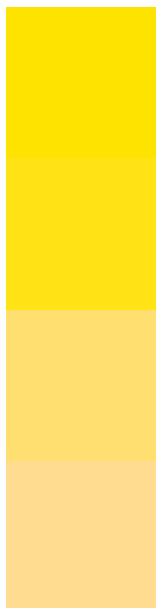
74.7364, 76.0289, 50.7804



Tritanopia

79.6610, 75.9178, 83.1281

Trichromacy



Original Color

68.7091, 76.1982, 11.0864

Protanomaly

68.8354, 76.2487, 11.7513

Deuteranomaly

70.4969, 75.1830, 25.8351

Tritanomaly

71.8672, 74.4600, 36.9700

Monochromacy



Original Color

68.7091, 76.1982, 11.0864

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

60.2230, 67.0017, 32.3128

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7091, 76.1982, 11.0864 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, 227, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 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, 227, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 0) }
```

Border

The CSS property to change the border of an element to XYZ 68.7091, 76.1982, 11.0864 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, 227, 0) }
```


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

```
.border{ border-color:rgb(255, 227, 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, 227, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7091, 76.1982, 11.0864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 227, 0) }
```

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

```
.background{ background-color: rgb(255,  
227, 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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