

Converting Colors

XYZ(68.9734, 76.7208, 11.1926)

Have a look what the booklet for
XYZ(68.9734, 76.7208, 11.1926)
contains.

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Color

**XYZ(68.9889, 76.7490,
11.2067)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE401
RGB	255, 228, 1
RGB Percent	100%, 89%, 0%
CMY	0.0000, 0.1059, 0.9959
CMYK	0.00, 0.11, 1.00, 0.00
HSL	54°, 100%, 50%
HSV	54°, 100%, 100%
XYZ	68.9889, 76.7490, 11.2067
YIQ	210.1950, 88.9590, -64.8730

Conversions

Conversions Part 2

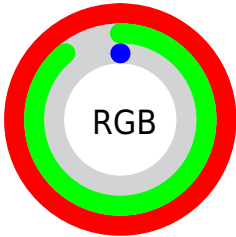
Format	Color
R _Y B	31, 255, 1
Decimal	16770049
CIE Lab	90.21, -8.44, 89.39
CIE LCh	90, 89.783, 95.391
Yxy	76.7490, 0.4396, 0.4890
Android (android.graphics.Color)	4294960129 (0xFFFFE401)
YUV	210.1950, -103.1331, 39.2940
Hunter-Lab	87.6065, -12.7451, 53.7401

Details

The XYZ color **68.9889, 76.7490, 11.2067** 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 **18.4787, 8.0583, 95.1885**, and the grayscale version is **62.0069, 65.2361, 71.0421**.

A 20% lighter version of the original color is **78.8883, 93.5353, 23.7938**, and **36.9359, 41.2246, 6.0104** is the 20% darker color. If you saturate the color by 10%, you get **68.9548, 76.6900, 11.1683**, and if you desaturate by 10%, it is **69.9289, 78.3304, 12.4425**.

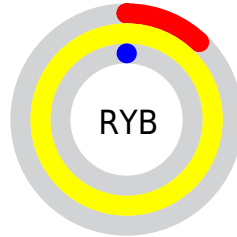
Distribution



Red (100%)

Green (89%)

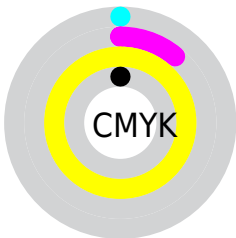
Blue (0%)



Red (12%)

Yellow (100%)

Blue (0%)

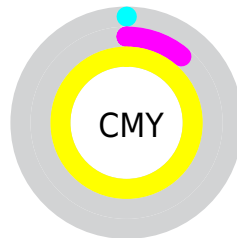


Cyan (0%)

Magenta (11%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (11%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.9889, 76.7490, 11.2067 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 68.9889, 76.7490, 11.2067 by changing the saturation by 10% instead.


 68.9889, 76.7490,
11.2067


 68.9889, 76.7490,
11.2067


446.3138,
483.9078, 209.8683

 50.9793, 57.0469,
6.0901


 116.7999,
128.7851, 28.6842

 36.4131, 41.0429,
2.8303


 147.3319,
161.8879, 41.8823


 24.9250, 28.3526,
1.0086


 182.7689,
200.2264, 58.6112

 16.1496, 18.5916,
0.0000

 223.4760,
244.1849, 79.2896

 9.7216, 11.3756,
0.0000

 269.8187,
294.1480, 104.3359

 5.2756, 6.3200,
0.0000

 322.1623,

 2.4463, 3.0406,

350.4998, 134.1688

0.0000

380.8723,
413.6250, 169.2067

■ 0.8682, 1.1530,
0.0000

■ 0.0000, 0.0228,
0.0000

■ 68.9889, 76.7490,
11.2067

■ 68.9889, 76.7490,
11.2067

■ 68.9548, 76.6900,
11.1683

■ 69.9289, 78.3304,
12.4425

■ 71.1203, 80.0281,
14.9513

■ 72.6332, 81.8733,
19.0952

■ 74.5114, 83.8836,
25.1047

■ 76.7918, 86.0738,
33.1730

■ 79.5066, 88.4569,
43.4697

■ 82.6845, 91.0444,
56.1463

■ 86.3520, 93.8470,
71.3414

■ 90.5333, 96.8745,
89.1827

Harmonies

Analogous

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



92.3201, 76.7490, 14.2260



68.9889, 76.7490, 11.2067



50.8066, 76.7490, 18.0765

Triad

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



68.9889, 76.7490, 11.2067



43.2542, 76.7490, 176.8863



119.3414, 76.7490, 145.9161

Complementary

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



68.9889, 76.7490, 11.2067



18.4787, 8.0583, 95.1885

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.



100.7357, 76.7490, 229.1649



68.9889, 76.7490, 11.2067



56.4946, 76.7490, 252.5444

Square

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



68.9889, 76.7490, 11.2067



38.0174, 76.7490, 95.6558



77.0550, 76.7490, 275.4020



124.5648, 76.7490, 72.5415

Rectangle

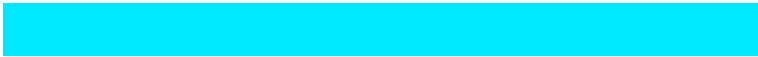
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.9889, 76.7490, 11.2067



43.0174, 76.7490, 31.3886



77.0550, 76.7490, 275.4020



114.2824, 76.7490, 174.6296

Sweetspot

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



68.9906, 76.7527, 11.2082



82.5470, 90.9361, 55.5849



41.4938, 21.3794, 3.2128



17.3710, 19.2259, 10.6985



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.



68.9906, 76.7527, 11.2082



68.9553, 76.6906, 11.1684



49.7963, 78.7549, 12.6064



19.3866, 20.7414, 19.1260



36.0972, 40.2057, 5.8579



3.5600, 4.0054, 0.5855

Inverse Universe

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



18.4787, 8.0583, 95.1885



18.4443, 8.0086, 95.1814



23.1399, 9.8606, 95.2907



17.1584, 17.6883, 22.7598



9.6875, 4.2845, 49.7510



0.9919, 0.5144, 4.8603

Previews

White Background



This preview shows how the XYZ color 68.9889, 76.7490, 11.2067 looks on a white background.

Color Contrast Check

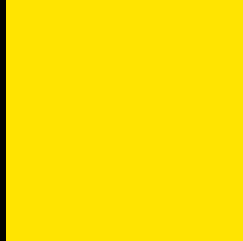
Large Text (above 18pt) WCAG AA × Fail

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 68.9889, 76.7490, 11.2067 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 68.9889, 76.7490, 11.2067

Background



This preview shows how black text looks on a background with the XYZ color 68.9889, 76.7490, 11.2067.



This preview shows how white text looks on a background with the XYZ color 68.9889, 76.7490,

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

68.9889, 76.7490, 11.2067

Protanopia

69.6493, 77.0131, 14.6841

Deuteranopia

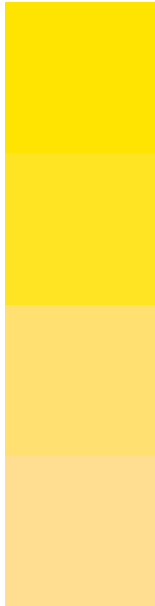
75.1977, 76.6371, 51.9034



Tritanopia

80.0564, 76.4871, 83.9429

Trichromacy



Original Color

68.9889, 76.7490, 11.2067

Protanomaly

69.2868, 76.8682, 12.7753

Deuteranomaly

70.8203, 75.7412, 26.2161

Tritanomaly

72.2073, 75.0172, 37.4621

Monochromacy



Original Color

68.9889, 76.7490, 11.2067

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

60.4800, 67.5157, 32.3985

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9889, 76.7490, 11.2067 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, 228, 1)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 1)  
}
```

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, 228, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 1) }
```

Border

The CSS property to change the border of an element to XYZ 68.9889, 76.7490, 11.2067 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, 228, 1) }
```


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

```
.border{ border-color:rgb(255, 228, 1) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(255, 228, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 228, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 228, 1);  
box-shadow:4px 4px 4px 4px rgb(255, 228,  
1) }
```

Background

The CSS property to change the background color of an element to XYZ 68.9889, 76.7490, 11.2067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 228, 1) }
```

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

```
.background{ background-color: rgb(255,  
228, 1) }
```

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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