

Converting Colors

XYZ(69.8231, 78.4262, 11.4577)

Have a look what the booklet for
XYZ(69.8231, 78.4262, 11.4577)
contains.

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Color

**XYZ(69.8159, 78.4118,
11.4553)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE700
RGB	255, 231, 0
RGB Percent	100%, 91%, 0%
CMY	0.0000, 0.0941, 0.9999
CMYK	0.00, 0.09, 1.00, 0.00
HSL	54°, 100%, 50%
HSV	54°, 100%, 100%
XYZ	69.8159, 78.4118, 11.4553
YIQ	211.8420, 88.4550, -66.7530

Conversions

Conversions Part 2

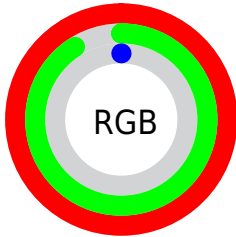
Format	Color
R _Y B	26, 255, 0
Decimal	16770816
CIE Lab	90.97, -9.93, 90.01
CIE LCh	91, 90.557, 96.295
Yxy	78.4118, 0.4372, 0.4910
Android (android.graphics.Color)	4294960896 (0xFFFFE700)
YUV	211.8420, -104.4381, 37.8496
Hunter-Lab	88.5504, -14.2284, 54.3153

Details

The XYZ color **69.8159, 78.4118, 11.4553** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light saturated yellow. A complement of this color would be **18.3774, 7.8744, 95.1583**, and the grayscale version is **63.1097, 66.3963, 72.3055**.

A 20% lighter version of the original color is **78.9318, 93.5527, 24.0225**, and **37.5177, 42.3881, 6.2043** is the 20% darker color. If you saturate the color by 10%, you get **69.8166, 78.4138, 11.4556**, and if you desaturate by 10%, it is **70.6750, 79.8405, 12.6359**.

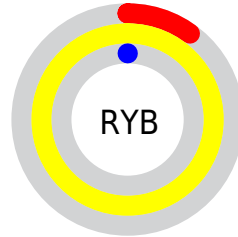
Distribution



Red (100%)

Green (91%)

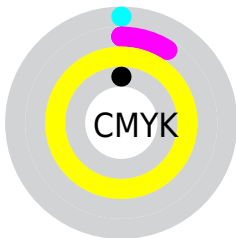
Blue (0%)



Red (10%)

Yellow (100%)

Blue (0%)

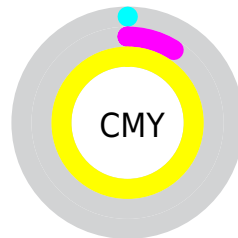


Cyan (0%)

Magenta (9%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.8159, 78.4118, 11.4553 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 69.8159, 78.4118, 11.4553 by changing the saturation by 10% instead.


 69.8159, 78.4118,
11.4553

 69.8159, 78.4118,
11.4553


449.1798,
489.5642, 211.6134

 51.6555, 58.4123,
6.2559


 117.9739,
131.1305, 29.1485

 36.9537, 42.1402,
2.9300


 148.7022,
164.6184, 42.4794


 25.3452, 29.2111,
1.0590


 184.3505,
203.3714, 59.3579

 16.4645, 19.2406,
0.0000

 225.2842,
247.7737, 80.2026

 9.9464, 11.8442,
0.0000

 271.8686,
298.2097, 105.4319

 5.4254, 6.6377,
0.0000

 324.4691,

 2.5363, 3.2366,

355.0639, 135.4645

0.0000

383.4511,
418.7206, 170.7188

■ 0.9136, 1.2565,
0.0000

■ 0.0000, 0.1071,
0.0000

■ 69.8159, 78.4118,
11.4553

■ 69.8159, 78.4118,
11.4553

■ 69.8166, 78.4138,
11.4556

■ 70.6750, 79.8405,
12.6359

■ 71.7775, 81.3783,
15.0602

■ 73.1971, 83.0578,
19.1088

■ 74.9780, 84.8967,
25.0137

■ 77.1571, 86.9099,
32.9697

■ 79.7669, 89.1103,
43.1467

■ 82.8361, 91.5097,
55.6973

■ 86.3913, 94.1185,
70.7602

■ 90.4569, 96.9466,
88.4636

Harmonies

Analogous

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



93.6131, 78.4118, 14.2364



69.8159, 78.4118, 11.4553



51.4387, 78.4118, 18.8362

Triad

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



69.8159, 78.4118, 11.4553



44.4418, 78.4118, 183.5576



122.4009, 78.4118, 146.5754

Complementary

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



69.8159, 78.4118, 11.4553



18.3774, 7.8744, 95.1583

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.



103.6617, 78.4118, 232.1475



69.8159, 78.4118, 11.4553



58.2310, 78.4118, 260.0620

Square

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



69.8159, 78.4118, 11.4553



38.8460, 78.4118, 99.9230



79.4476, 78.4118, 281.3197



127.2525, 78.4118, 72.3161

Rectangle

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



69.8159, 78.4118, 11.4553



43.6400, 78.4118, 32.8767



79.4476, 78.4118, 281.3197



117.3542, 78.4118, 175.9087

Sweetspot

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



69.8177, 78.4156, 11.4569



82.8326, 91.5072, 55.6801



41.4212, 21.3330, 2.8845



17.4403, 19.3645, 10.7216



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.



69.8177, 78.4156, 11.4569



69.8172, 78.4144, 11.4557



48.8991, 78.2930, 12.5357



19.4065, 20.7812, 19.1327



36.5410, 41.0932, 6.0059



3.5987, 4.0827, 0.5984

Inverse Universe

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



18.3774, 7.8744, 95.1583



18.3765, 7.8731, 95.1588



23.5319, 10.0466, 95.3059



17.1404, 17.6525, 22.7538



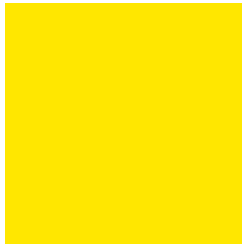
9.6478, 4.2051, 49.7378



0.9834, 0.4975, 4.8575

Previews

White Background



This preview shows how the XYZ color 69.8159, 78.4118, 11.4553 looks on a white background.

Color Contrast Check

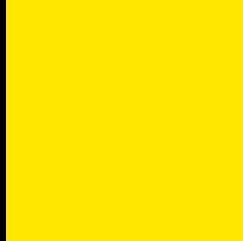
Large Text (above 18pt) WCAG AA × Fail

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 69.8159, 78.4118, 11.4553 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 69.8159, 78.4118, 11.4553

Background



This preview shows how black text looks on a background with the XYZ color 69.8159, 78.4118, 11.4553.



This preview shows how white text looks on a background with the XYZ color 69.8159, 78.4118,

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

69.8159, 78.4118, 11.4553

Protanopia

71.3823, 78.5918, 21.0803

Deuteranopia

76.7125, 78.5293, 55.9142



Tritanopia

81.2570, 78.2159, 86.4158

Trichromacy



Original Color

69.8159, 78.4118, 11.4553



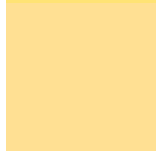
Protanomaly

70.2753, 78.1490, 15.2513



Deuteranomaly

71.8615, 77.4591, 27.6866



Tritanomaly

73.1621, 76.6779, 38.5480

Monochromacy



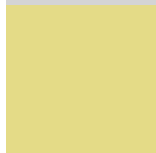
Original Color

69.8159, 78.4118, 11.4553



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

61.6996, 68.9063, 32.9700

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8159, 78.4118, 11.4553 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, 231, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 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, 231, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 0) }
```

Border

The CSS property to change the border of an element to XYZ 69.8159, 78.4118, 11.4553 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, 231, 0) }
```


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

```
.border{ border-color:rgb(255, 231, 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, 231, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8159, 78.4118, 11.4553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 0) }
```

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

```
.background{ background-color: rgb(255,  
231, 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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