

Converting Colors

XYZ(70.3168, 78.4575, 14.5697)

Have a look what the booklet for
XYZ(70.3168, 78.4575, 14.5697)
contains.

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Color

**XYZ(70.4135, 78.6508,
14.6019)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE733
RGB	255, 231, 51
RGB Percent	100%, 91%, 20%
CMY	0.0000, 0.0941, 0.8000
CMYK	0.00, 0.09, 0.80, 0.00
HSL	53°, 100%, 60%
HSV	53°, 80%, 100%
XYZ	70.4135, 78.6508, 14.6019
YIQ	217.6560, 72.0840, -50.8920

Conversions

Conversions Part 2

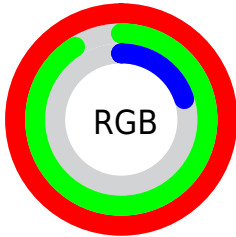
Format	Color
RYB	78, 255, 51
Decimal	16770867
CIELab	91.08, -9.11, 82.24
CIELCh	91, 82.746, 96.324
Yxy	78.6508, 0.4302, 0.4806
Android (android.graphics.Color)	4294960947 (0xFFFFE733)
YUV	217.6560, -82.1614, 32.7507
Hunter-Lab	88.6853, -13.4755, 52.3177

Details

The XYZ color **70.4135, 78.6508, 14.6019** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **21.9317, 12.9563, 95.9521**, and the grayscale version is **66.9190, 70.4040, 76.6700**.

A 20% lighter version of the original color is **80.0373, 93.9949, 29.8440**, and **37.7735, 42.5200, 6.2163** is the 20% darker color. If you saturate the color by 10%, you get **69.1662, 76.8232, 12.1316**, and if you desaturate by 10%, it is **71.9865, 80.6378, 18.7010**.

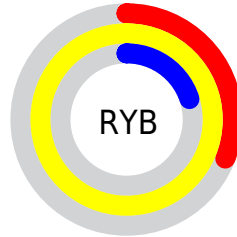
Distribution



Red (100%)

Green (91%)

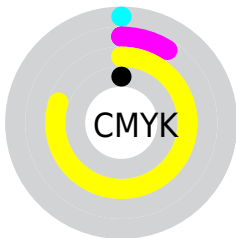
Blue (20%)



Red (31%)

Yellow (100%)

Blue (20%)

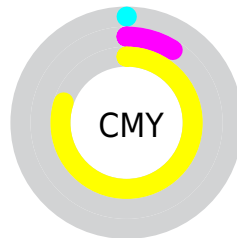


Cyan (0%)

Magenta (9%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (9%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.4135, 78.6508, 14.6019 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 70.4135, 78.6508, 14.6019 by changing the saturation by 10% instead.

70.4135, 78.6508,
14.6019

70.4135, 78.6508,
14.6019

451.2443,
490.3742, 232.5010

52.1445, 58.6087,
8.3970

118.8213,
131.4671, 34.8856

37.3450, 42.2982,
4.2586

149.6908,
165.0102, 49.8015

25.6496, 29.3349,
1.7683

185.4913,
203.8224, 68.4581

16.6930, 19.3343,
0.4069

226.5880,
248.2882, 91.2740

10.1098, 11.9121,
0.0000

273.3463,
298.7918, 118.6677

5.5346, 6.6838,
0.0000

326.1315,

2.6022, 3.2652,

355.7178, 151.0577

0.0000

385.3091,
419.4504, 188.8626

■ 0.9471, 1.2717,
0.0000

■ 0.0000, 0.1191,
0.0000

■ 70.4135, 78.6508,
14.6019

■ 70.4135, 78.6508,
14.6019

■ 69.1662, 76.8232,
12.1316

■ 71.9865, 80.6378,
18.7010

■ 68.1673, 75.1148,
10.9060

■ 73.9241, 82.7907,
24.6565

■ 68.1670, 75.1143,
10.9057

■ 76.2651, 85.1282,
32.6645

■ 79.0419, 87.6634,
42.8952

■ 82.2834, 90.4079,
55.5010

■ 86.0161, 93.3725,
70.6208

■ 90.2644, 96.5670,
88.3829

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



92.0916, 78.6508, 17.5450



70.4135, 78.6508, 14.6019



53.3784, 78.6508, 22.3322

Triad

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



70.4135, 78.6508, 14.6019



46.8149, 78.6508, 173.5579



117.9551, 78.6508, 140.7004

Complementary

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



70.4135, 78.6508, 14.6019



21.9317, 12.9563, 95.9521

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.



101.1906, 78.6508, 215.9473



70.4135, 78.6508, 14.6019



59.7438, 78.6508, 240.3072

Square

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



70.4135, 78.6508, 14.6019



41.4907, 78.6508, 98.9570



79.2719, 78.6508, 258.6435



122.2618, 78.6508, 73.5700

Rectangle

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



70.4135, 78.6508, 14.6019



46.0393, 78.6508, 36.3407



79.2719, 78.6508, 258.6435



113.4553, 78.6508, 166.6721

Sweetspot

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



70.4153, 78.6545, 14.6035



84.4617, 92.1591, 64.2581



43.8065, 24.1813, 9.6053



17.7967, 19.5011, 12.6165



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.



70.4153, 78.6545, 14.6035



68.5487, 75.7880, 11.3085



55.2271, 81.4863, 15.9506



19.3681, 20.7044, 19.1199



35.6914, 39.3940, 5.7227



3.5245, 3.9345, 0.5737

Inverse Universe

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



21.9317, 12.9563, 95.9521



18.9030, 8.7364, 95.2977



27.8095, 14.0091, 95.8455



17.1750, 17.7217, 22.7654



9.7280, 4.3655, 49.7645



0.9997, 0.5301, 4.8629

Previews

White Background



This preview shows how the XYZ color 70.4135, 78.6508, 14.6019 looks on a white background.

Color Contrast Check

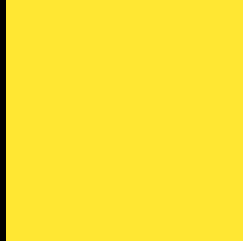
Large Text (above 18pt) WCAG AA × Fail

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 70.4135, 78.6508, 14.6019 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 70.4135, 78.6508, 14.6019

Background



This preview shows how black text looks on a background with the XYZ color 70.4135, 78.6508, 14.6019.



This preview shows how white text looks on a background with the XYZ color 70.4135, 78.6508,

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

70.4135, 78.6508, 14.6019

Protanopia

71.6024, 78.6799, 22.2394

Deuteranopia

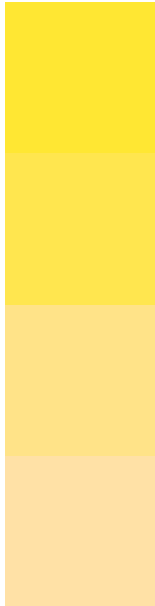
76.9222, 78.6132, 57.0186



Tritanopia

81.5203, 78.7424, 86.5035

Trichromacy



Original Color

70.4135, 78.6508, 14.6019

Protanomaly

70.9481, 78.4181, 18.7940

Deuteranomaly

73.1530, 77.9757, 34.4878

Tritanomaly

75.0481, 77.8636, 47.1501

Monochromacy



Original Color

70.4135, 78.6508, 14.6019

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.4285, 72.1986, 42.3856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.4135, 78.6508, 14.6019 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 51) }
```

Border

The CSS property to change the border of an element to XYZ 70.4135, 78.6508, 14.6019 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, 51) }
```


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

```
.border{ border-color:rgb(255, 231, 51) }
```

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, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 70.4135, 78.6508, 14.6019 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, 51) }
```

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

```
.background{ background-color: rgb(255,  
231, 51) }
```

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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