

Converting Colors

XYZ(70.2334, 78.2908, 14.5419)

Have a look what the booklet for
XYZ(70.2334, 78.2908, 14.5419)
contains.

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Color

**XYZ(70.1344, 78.0926,
14.5089)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE633
RGB	255, 230, 51
RGB Percent	100%, 90%, 20%
CMY	0.0000, 0.0980, 0.8000
CMYK	0.00, 0.10, 0.80, 0.00
HSL	53°, 100%, 60%
HSV	53°, 80%, 100%
XYZ	70.1344, 78.0926, 14.5089
YIQ	217.0690, 72.3590, -50.3690

Conversions

Conversions Part 2

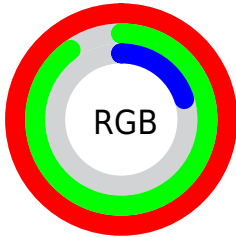
Format	Color
R_{YB}	79, 255, 51
Decimal	16770611
CIE Lab	90.82, -8.62, 82.02
CIE LCh	91, 82.474, 95.998
Yxy	78.0926, 0.4310, 0.4799
Android (android.graphics.Color)	4294960691 (0xFFFFE633)
YUV	217.0690, -81.8720, 33.2655
Hunter-Lab	88.3700, -12.9819, 52.1246

Details

The XYZ color **70.1344, 78.0926, 14.5089** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light washed yellow. A complement of this color would be **22.0001, 13.0930, 95.9749**, and the grayscale version is **66.5121, 69.9759, 76.2037**.

A 20% lighter version of the original color is **79.9806, 93.9723, 29.5458**, and **37.5781, 42.1293, 6.1512** is the 20% darker color. If you saturate the color by 10%, you get **68.8577, 76.2062, 12.0288**, and if you desaturate by 10%, it is **71.7380, 80.1408, 18.6182**.

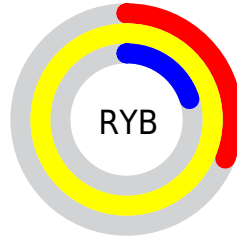
Distribution



Red (100%)

Green (90%)

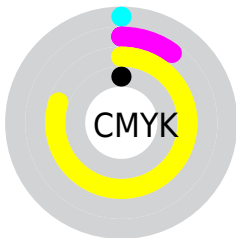
Blue (20%)



Red (31%)

Yellow (100%)

Blue (20%)

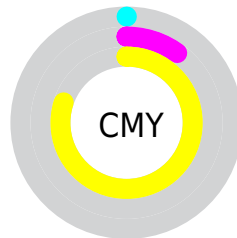


Cyan (0%)

Magenta (10%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (10%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.1344, 78.0926, 14.5089 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 70.1344, 78.0926, 14.5089 by changing the saturation by 10% instead.

70.1344, 78.0926,
14.5089

70.1344, 78.0926,
14.5089

450.2808,
488.4812, 231.9116

51.9161, 58.1501,
8.3327

118.4256,
130.6807, 34.7193

37.1622, 41.9293,
4.2177

149.2293,
164.0949, 49.5906

25.5074, 29.0459,
1.7455

184.9587,
202.7686, 68.1974

16.5862, 19.1156,
0.3917

225.9794,
247.0860, 90.9581

10.0334, 11.7538,
0.0000

272.6565,
297.4316, 118.2913

5.4835, 6.5763,
0.0000

325.3556,

2.5713, 3.1986,

354.1897, 150.6157

0.0000

384.4419,
417.7448, 188.3496

■ 0.9314, 1.2363,
0.0000

■ 0.0000, 0.0910,
0.0000

■ 70.1344, 78.0926,
14.5089

■ 70.1344, 78.0926,
14.5089

■ 68.8577, 76.2062,
12.0288

■ 71.7380, 80.1408,
18.6182

■ 67.8305, 74.4414,
10.7938

■ 73.7074, 82.3573,
24.5843

■ 67.8302, 74.4408,
10.7935

■ 76.0814, 84.7608,
32.6033

■ 78.8924, 87.3645,
42.8455

■ 82.1694, 90.1800,
55.4631

■ 85.9389, 93.2181,
70.5952

■ 90.2252, 96.4885,
88.3699

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.



91.6595, 78.0926, 17.5453



70.1344, 78.0926, 14.5089



53.1632, 78.0926, 22.0521

Triad

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



70.1344, 78.0926, 14.5089



46.4064, 78.0926, 171.3891



116.9484, 78.0926, 140.4713

Complementary

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



70.1344, 78.0926, 14.5089



22.0001, 13.0930, 95.9749

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.



100.2222, 78.0926, 214.9682



70.1344, 78.0926, 14.5089



59.1540, 78.0926, 237.8894

Square

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



70.1344, 78.0926, 14.5089



41.2044, 78.0926, 97.5331



78.4710, 78.0926, 256.7356



121.3773, 78.0926, 73.6431

Rectangle

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



70.1344, 78.0926, 14.5089



45.8261, 78.0926, 35.8119



78.4710, 78.0926, 256.7356



112.4433, 78.0926, 166.2401

Sweetspot

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



70.1362, 78.0963, 14.5105



84.3696, 91.9750, 64.2274



43.8066, 24.1813, 9.6053



17.7742, 19.4561, 12.6090



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.



70.1362, 78.0963, 14.5105



68.2231, 75.1368, 11.2000



55.2271, 81.4863, 15.9506



19.3601, 20.6884, 19.1172



35.5179, 39.0470, 5.6648



3.5094, 3.9041, 0.5686

Inverse Universe

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



22.0001, 13.0930, 95.9749



18.9430, 8.8164, 95.3111



27.8096, 14.0092, 95.8455



17.1823, 17.7362, 22.7678



9.7466, 4.4027, 49.7707



1.0031, 0.5369, 4.8640

Previews

White Background



This preview shows how the XYZ color 70.1344, 78.0926, 14.5089 looks on a white background.

Color Contrast Check

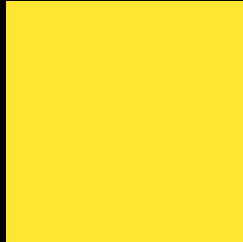
Large Text (above 18pt) WCAG AA × Fail

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 70.1344, 78.0926, 14.5089 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 70.1344, 78.0926, 14.5089

Background



This preview shows how black text looks on a background with the XYZ color 70.1344, 78.0926, 14.5089.



This preview shows how white text looks on a background with the XYZ color 70.1344, 78.0926,

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

70.1344, 78.0926, 14.5089

Protanopia

70.9390, 77.9705, 20.1150

Deuteranopia

76.3392, 77.9487, 55.2781



Tritanopia

81.1161, 78.1596, 85.6739

Trichromacy



Original Color

70.1344, 78.0926, 14.5089

Protanomaly

70.4619, 77.7797, 17.6026

Deuteranomaly

72.7394, 77.3739, 33.6551

Tritanomaly

74.6872, 77.2879, 46.5789

Monochromacy



Original Color

70.1344, 78.0926, 14.5089

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.1621, 71.6658, 42.2968

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.1344, 78.0926, 14.5089 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, 230, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 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, 230, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 51) }
```

Border

The CSS property to change the border of an element to XYZ 70.1344, 78.0926, 14.5089 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, 230, 51) }
```


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

```
.border{ border-color:rgb(255, 230, 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, 230, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 70.1344, 78.0926, 14.5089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 51) }
```

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

```
.background{ background-color: rgb(255,  
230, 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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