

Converting Colors

XYZ(69.9994, 78.0024, 13.9102)

Have a look what the booklet for
XYZ(69.9994, 78.0024, 13.9102)
contains.

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Color

**XYZ(70.0300, 78.0509,
13.9591)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE62E
RGB	255, 230, 46
RGB Percent	100%, 90%, 18%
CMY	0.0000, 0.0980, 0.8196
CMYK	0.00, 0.10, 0.82, 0.00
HSL	53°, 100%, 59%
HSV	53°, 82%, 100%
XYZ	70.0300, 78.0509, 13.9591
YIQ	216.4990, 73.9640, -51.9240

Conversions

Conversions Part 2

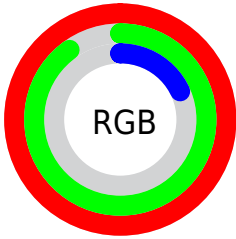
Format	Color
RYB	74, 255, 46
Decimal	16770606
CIELab	90.80, -8.76, 83.30
CIElCh	91, 83.756, 96.004
Yxy	78.0509, 0.4322, 0.4817
Android (android.graphics.Color)	4294960686 (0xFFFFE62E)
YUV	216.4990, -84.0560, 33.7654
Hunter-Lab	88.3464, -13.1137, 52.4744

Details

The XYZ color **70.0300, 78.0509, 13.9591** 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 **21.4303, 12.3076, 95.8533**, and the grayscale version is **66.1341, 69.5782, 75.7707**.

A 20% lighter version of the original color is **79.8145, 93.9058, 28.6708**, and **37.5781, 42.1293, 6.1512** is the 20% darker color. If you saturate the color by 10%, you get **68.8280, 76.2271, 11.7715**, and if you desaturate by 10%, it is **71.5483, 80.0311, 17.7237**.

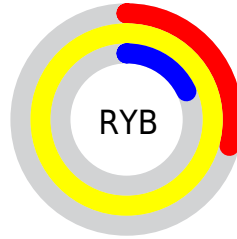
Distribution



Red (100%)

Green (90%)

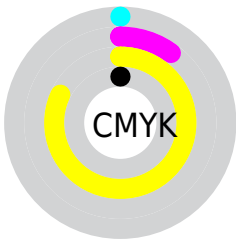
Blue (18%)



Red (29%)

Yellow (100%)

Blue (18%)

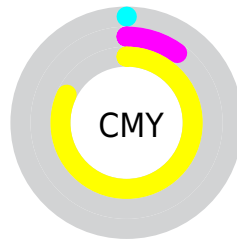


Cyan (0%)

Magenta (10%)

Yellow (82%)

Black (0%)



Cyan (0%)

Magenta (10%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0300, 78.0509, 13.9591 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 70.0300, 78.0509, 13.9591 by changing the saturation by 10% instead.

70.0300, 78.0509,
13.9591

70.0300, 78.0509,
13.9591

449.9201,
488.3397, 228.3958

51.8307, 58.1158,
7.9538

118.2776,
130.6219, 33.7325

37.0939, 41.9017,
3.9780

149.0565,
164.0265, 48.3377

25.4542, 29.0244,
1.6133

184.7594,
202.6898, 66.6466

16.5463, 19.0993,
0.3003

225.7516,
246.9961, 89.0778

10.0048, 11.7420,
0.0000

272.3984,
297.3299, 116.0498

5.4644, 6.5683,
0.0000

325.0651,

2.5598, 3.1936,

354.0755, 147.9811

0.0000

384.1173,
417.6173, 185.2902

■ 0.9255, 1.2336,
0.0000

■ 0.0000, 0.0889,
0.0000

■ 70.0300, 78.0509,
13.9591

■ 70.0300, 78.0509,
13.9591

■ 68.8280, 76.2271,
11.7715

■ 71.5483, 80.0311,
17.7237

■ 68.0313, 74.8429,
10.8605

■ 73.4237, 82.1749,
23.3029

■ 75.6962, 84.5016,
30.8988

■ 78.3988, 87.0244,
40.6859

■ 81.5612, 89.7554,
52.8194

■ 85.2103, 92.7054,
67.4408

■ 89.3709, 95.8844,
84.6802

■ 94.0660, 99.3018,
104.6587

■ 95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



91.9001, 78.0509, 16.9678



70.0300, 78.0509, 13.9591



52.8378, 78.0509, 21.4575

Triad

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



70.0300, 78.0509, 13.9591



46.0135, 78.0509, 173.0021



117.6654, 78.0509, 141.4044

Complementary

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



70.0300, 78.0509, 13.9591



21.4303, 12.3076, 95.8533

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.



100.6235, 78.0509, 217.5476



70.0300, 78.0509, 13.9591



58.9067, 78.0509, 241.0433

Square

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



70.0300, 78.0509, 13.9591



40.7630, 78.0509, 97.6994



78.5013, 78.0509, 260.3443



122.1794, 78.0509, 73.4230

Rectangle

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



70.0300, 78.0509, 13.9591



45.4242, 78.0509, 35.2369



78.5013, 78.0509, 260.3443



113.0732, 78.0509, 167.7110

Sweetspot

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



70.0318, 78.0546, 13.9607



84.0475, 91.7846, 62.7210



43.4489, 23.7073, 8.7423



17.7145, 19.4235, 12.3218



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.



70.0318, 78.0546, 13.9607



68.2243, 75.1840, 11.0626



54.6981, 81.2256, 15.3809



19.3649, 20.6980, 19.1188



35.6215, 39.2542, 5.6994



3.5184, 3.9222, 0.5716

Inverse Universe

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



21.4303, 12.3076, 95.8533



18.7144, 8.4541, 95.2532



27.1440, 13.3590, 95.7550



17.1779, 17.7275, 22.7663



9.7354, 4.3803, 49.7670



1.0011, 0.5328, 4.8634

Previews

White Background



This preview shows how the XYZ color 70.0300, 78.0509, 13.9591 looks on a white background.

Color Contrast Check

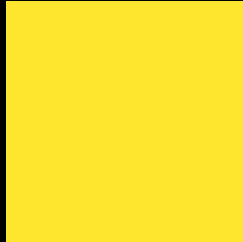
Large Text (above 18pt) WCAG AA × Fail

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 70.0300, 78.0509, 13.9591 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 70.0300, 78.0509, 13.9591

Background



This preview shows how black text looks on a background with the XYZ color 70.0300, 78.0509, 13.9591.



This preview shows how white text looks on a background with the XYZ color 70.0300, 78.0509,

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

70.0300, 78.0509, 13.9591

Protanopia

70.8990, 77.9545, 19.9043

Deuteranopia

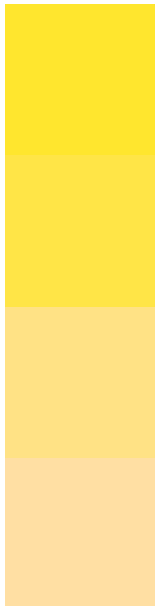
76.3392, 77.9487, 55.2781



Tritanopia

80.8544, 77.6362, 85.5867

Trichromacy



Original Color

70.0300, 78.0509, 13.9591

Protanomaly

70.3966, 77.7536, 17.2589

Deuteranomaly

72.6700, 77.3462, 33.2895

Tritanomaly

74.2385, 76.6797, 45.5382

Monochromacy



Original Color

70.0300, 78.0509, 13.9591

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

64.9927, 71.5980, 41.4047

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0300, 78.0509, 13.9591 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, 46)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 46)  
}
```

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, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 46) }
```

Border

The CSS property to change the border of an element to XYZ 70.0300, 78.0509, 13.9591 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, 46) }
```


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

```
.border{ border-color:rgb(255, 230, 46) }
```

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, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 46);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0300, 78.0509, 13.9591 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, 46) }
```

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

```
.background{ background-color: rgb(255,  
230, 46) }
```

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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