

Converting Colors

XYZ(70.4778, 79.7357, 11.6759)

Have a look what the booklet for
XYZ(70.4778, 79.7357, 11.6759)
contains.

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Color

**XYZ(70.3789, 79.5378,
11.6430)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE900
RGB	255, 233, 0
RGB Percent	100%, 91%, 0%
CMY	0.0000, 0.0862, 0.9999
CMYK	0.00, 0.09, 1.00, 0.00
HSL	55°, 100%, 50%
HSV	55°, 100%, 100%
XYZ	70.3789, 79.5378, 11.6430
YIQ	213.0160, 87.9050, -67.7990

Conversions

Conversions Part 2

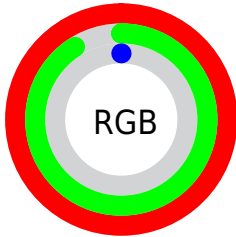
Format	Color
R _Y B	24, 255, 0
Decimal	16771328
CIE Lab	91.48, -10.92, 90.38
CIE LCh	91, 91.033, 96.887
Yxy	79.5378, 0.4356, 0.4923
Android (android.graphics.Color)	4294961408 (0xFFFFE900)
YUV	213.0160, -105.0169, 36.8200
Hunter-Lab	89.1840, -15.2099, 54.6884

Details

The XYZ color **70.3789, 79.5378, 11.6430** 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 **18.3377, 7.7950, 95.1450**, and the grayscale version is **63.9006, 67.2284, 73.2117**.

A 20% lighter version of the original color is **78.9318, 93.5527, 24.0225**, and **37.9127, 43.1782, 6.3360** is the 20% darker color. If you saturate the color by 10%, you get **70.3797, 79.5398, 11.6433**, and if you desaturate by 10%, it is **71.1884, 80.8672, 12.8071**.

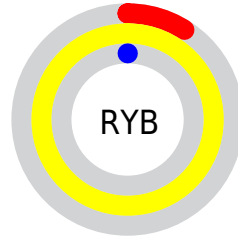
Distribution



Red (100%)

Green (91%)

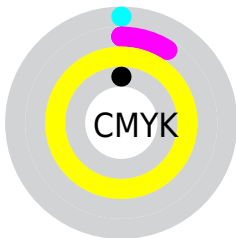
Blue (0%)



Red (9%)

Yellow (100%)

Blue (0%)

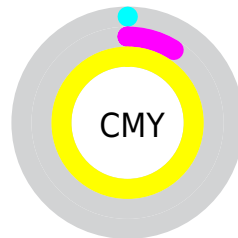


Cyan (0%)

Magenta (9%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.3789, 79.5378, 11.6430 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 70.3789, 79.5378, 11.6430 by changing the saturation by 10% instead.


 70.3789, 79.5378,
11.6430

 70.3789, 79.5378,
11.6430


451.1250,
493.3738, 212.9207


 52.1162, 59.3381,
6.3815


 118.7723,
132.7157, 29.4978

 37.3223, 42.8853,
3.0059


 149.6336,
166.4627, 42.9282


 25.6320, 29.7952,
1.0976

 185.4253,
205.4942, 59.9187

 16.6798, 19.6832,
0.0000

 226.5125,
250.1947, 80.8877

 10.1003, 12.1649,
0.0000

 273.2608,
300.9485, 106.2539

 5.5283, 6.8561,
0.0000

 326.0354,

 2.5984, 3.3723,

358.1400, 136.4358

0.0000

385.2016,
422.1537, 171.8518

■ 0.9451, 1.3290,
0.0000

■ 0.0000, 0.1635,
0.0000

■ 70.3789, 79.5378,
11.6430

■ 70.3789, 79.5378,
11.6430

■ 70.3797, 79.5398,
11.6433

■ 71.1884, 80.8672,
12.8071

■ 72.2398, 82.3028,
15.2145

■ 73.6069, 83.8772,
19.2457

■ 75.3337, 85.6080,
25.1327

■ 77.4573, 87.5101,
33.0703

■ 80.0101, 89.5965,
43.2285

■ 83.0208, 91.8788,
55.7597

■ 86.5161, 94.3676,
70.8028

■ 90.5201, 97.0727,
88.4859

Harmonies

Analogous

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



94.4764, 79.5378, 14.2652



70.3789, 79.5378, 11.6430



51.8788, 79.5378, 19.3764

Triad

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



70.3789, 79.5378, 11.6430



45.2622, 79.5378, 188.0266



124.4418, 79.5378, 146.9872

Complementary

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



70.3789, 79.5378, 11.6430



18.3377, 7.7950, 95.1450

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.



105.6283, 79.5378, 234.0514



70.3789, 79.5378, 11.6430



59.4190, 79.5378, 265.0218

Square

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



70.3789, 79.5378, 11.6430



39.4239, 79.5378, 102.8283



81.0696, 79.5378, 285.1636



129.0358, 79.5378, 72.1813

Rectangle

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



70.3789, 79.5378, 11.6430



44.0766, 79.5378, 33.9164



81.0696, 79.5378, 285.1636



119.4080, 79.5378, 176.7139

Sweetspot

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



70.3807, 79.5416, 11.6446



83.0171, 91.8764, 55.7416



41.4213, 21.3331, 2.8846



17.4851, 19.4541, 10.7365



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.



70.3807, 79.5416, 11.6446



70.3803, 79.5405, 11.6434



48.8992, 78.2931, 12.5358



19.4193, 20.8068, 19.1369



36.8308, 41.6729, 6.1025



3.6239, 4.1331, 0.6068

Inverse Universe

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



18.3377, 7.7950, 95.1450



18.3368, 7.7936, 95.1456



23.5320, 10.0467, 95.3059



17.1289, 17.6295, 22.7500



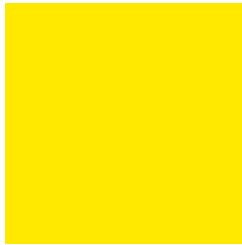
9.6242, 4.1581, 49.7299



0.9780, 0.4867, 4.8557

Previews

White Background



This preview shows how the XYZ color 70.3789, 79.5378, 11.6430 looks on a white background.

Color Contrast Check

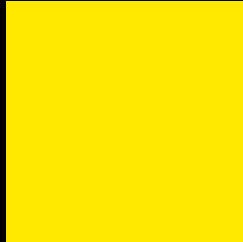
Large Text (above 18pt) WCAG AA × Fail

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 70.3789, 79.5378, 11.6430 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 70.3789, 79.5378, 11.6430

Background



This preview shows how black text looks on a background with the XYZ color 70.3789, 79.5378, 11.6430.



This preview shows how white text looks on a background with the XYZ color 70.3789, 79.5378,

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

70.3789, 79.5378, 11.6430

Protanopia

72.4698, 79.4734, 25.4302

Deuteranopia

77.5135, 79.2836, 58.7948



Tritanopia

81.9268, 79.3287, 87.3379

Trichromacy



Original Color

70.3789, 79.5378, 11.6430



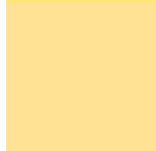
Protanomaly

71.1400, 79.3906, 17.0433



Deuteranomaly

72.6495, 78.6547, 29.1221



Tritanomaly

73.7817, 77.7908, 39.1434

Monochromacy



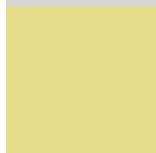
Original Color

70.3789, 79.5378, 11.6430



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

62.0320, 69.4580, 33.4298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.3789, 79.5378, 11.6430 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, 233, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 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, 233, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 0) }
```

Border

The CSS property to change the border of an element to XYZ 70.3789, 79.5378, 11.6430 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, 233, 0) }
```


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

```
.border{ border-color:rgb(255, 233, 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, 233, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 70.3789, 79.5378, 11.6430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 0) }
```

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

```
.background{ background-color: rgb(255,  
233, 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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