

Converting Colors

XYZ(70.7923, 80.2182, 15.0719)

Have a look what the booklet for
XYZ(70.7923, 80.2182, 15.0719)
contains.

XYZ(70.5734, 79.9853, 15.0873)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(70.5734, 79.9853,
15.0873)**

Conversions

Conversions Part 1

Format	Color
Hex	FDEA35
RGB	253, 234, 53
RGB Percent	99%, 92%, 21%
CMY	0.0078, 0.0823, 0.7921
CMYK	0.00, 0.08, 0.79, 0.01
HSL	54°, 98%, 60%
HSV	54°, 79%, 99%
XYZ	70.5734, 79.9853, 15.0873
YIQ	219.0470, 69.4250, -52.2630

Conversions

Conversions Part 2

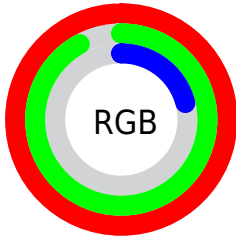
Format	Color
RYB	74, 253, 53
Decimal	16640565
CIELab	91.68, -11.37, 82.16
CIElCh	92, 82.941, 97.877
Yxy	79.9853, 0.4260, 0.4829
Android (android.graphics.Color)	4294830645 (0xFFFDEA35)
YUV	219.0470, -81.8612, 29.7768
Hunter-Lab	89.4345, -15.6548, 52.6021

Details

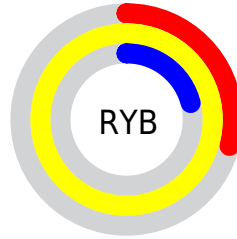
The XYZ color **70.5734, 79.9853, 15.0873** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **21.5155, 12.4837, 94.2033**, and the grayscale version is **67.8835, 71.4187, 77.7750**.

A 20% lighter version of the original color is **80.0945, 94.0178, 30.1455**, and **37.8583, 43.4467, 6.3907** is the 20% darker color. If you saturate the color by 10%, you get **69.4591, 78.4555, 12.5630**, and if you desaturate by 10%, it is **72.0074, 81.6639, 19.2333**.

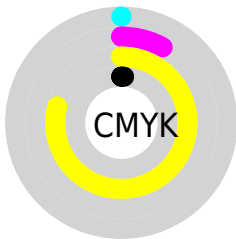
Distribution



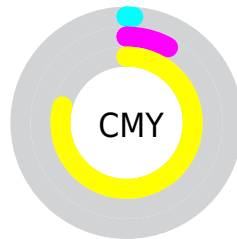
- Red (99%)
- Green (92%)
- Blue (21%)



- Red (29%)
- Yellow (99%)
- Blue (21%)



- Cyan (0%)
- Magenta (8%)
- Yellow (79%)
- Black (1%)





- Cyan (1%)
- Magenta (8%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.5734, 79.9853, 15.0873 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 70.5734, 79.9853, 15.0873 by changing the saturation by 10% instead.


 70.5734, 79.9853,
15.0873

 70.5734, 79.9853,
15.0873


451.7958,
494.8833, 235.5530

 52.2754, 59.7063,
8.7334


 119.0479,
133.3451, 35.7507

 37.4498, 43.1819,
4.4733


 149.9552,
167.1946, 50.8973


 25.7312, 30.0279,
1.8884


 185.7962,
206.3364, 69.8118

 16.7543, 19.8597,
0.4853

 226.9364,
251.1548, 92.9129

 10.1537, 12.2931,
0.0000

 273.7411,
302.0344, 120.6190

 5.5640, 6.9436,
0.0000

326.5757,

 2.6200, 3.4269,

359.3593, 153.3487

0.0000

385.8055,
423.5142, 191.5205

■ 0.9561, 1.3584,
0.0000

■ 0.0000, 0.1858,
0.0000

■ 70.5734, 79.9853,
15.0873

■ 70.5734, 79.9853,
15.0873

■ 69.4591, 78.4555,
12.5630

■ 72.0074, 81.6639,
19.2333

■ 68.5960, 77.0380,
11.3236


■ 73.7980, 83.4970,
25.2196


■ 68.5195, 76.9060,
11.2330


■ 75.9829, 85.5028,
33.2359


■ 78.5934, 87.6938,
43.4471

 81.6577, 90.0814,
56.0013

 85.2014, 92.6759,
71.0338

 89.2483, 95.4869,
88.6693

 93.7549, 98.4970,
108.6781

 94.3177, 99.6225,
108.8657

Harmonies

Analogous

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



92.4283, 79.9853, 17.5372



70.5734, 79.9853, 15.0873



53.6451, 79.9853, 23.6274

Triad

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



70.5734, 79.9853, 15.0873



48.1777, 79.9853, 180.2113



120.3753, 79.9853, 138.8577

Complementary

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



70.5734, 79.9853, 15.0873



21.5155, 12.4837, 94.2033

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.



103.8932, 79.9853, 215.5326



70.5734, 79.9853, 15.0873



61.6848, 79.9853, 246.1472

Square

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



70.5734, 79.9853, 15.0873



42.3763, 79.9853, 104.0876



81.7475, 79.9853, 261.4290



123.9640, 79.9853, 72.0523

Rectangle

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



70.5734, 79.9853, 15.0873



46.4667, 79.9853, 38.6009



81.7475, 79.9853, 261.4290



116.0287, 79.9853, 165.0680

Sweetspot

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



70.5752, 79.9891, 15.0889



84.8890, 93.0138, 64.4006



42.9840, 23.9106, 8.6543



17.9012, 19.7101, 12.6514



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.



70.5752, 79.9891, 15.0889



70.1661, 78.9986, 11.9225



53.0020, 79.3916, 15.8998



19.4051, 20.7783, 19.1322



36.5092, 41.0296, 5.9953



3.5959, 4.0772, 0.5974

Inverse Universe

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



21.5155, 12.4837, 94.2033



18.8358, 8.5507, 95.2654



28.6766, 14.6257, 94.2393



17.1417, 17.6550, 22.7542



9.6505, 4.2105, 49.7387



0.9840, 0.4987, 4.8577

Previews

White Background



This preview shows how the XYZ color 70.5734, 79.9853, 15.0873 looks on a white background.

Color Contrast Check

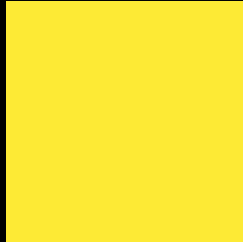
Large Text (above 18pt) WCAG AA × Fail

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 70.5734, 79.9853, 15.0873 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 70.5734, 79.9853, 15.0873

Background



This preview shows how black text looks on a background with the XYZ color 70.5734, 79.9853, 15.0873.



This preview shows how white text looks on a background with the XYZ color 70.5734, 79.9853,

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

70.5734, 79.9853, 15.0873

Protanopia

73.0772, 80.1655, 27.2447

Deuteranopia

78.0033, 79.9159, 60.0293



Tritanopia

82.4790, 79.9759, 88.9317

Trichromacy



Original Color

70.5734, 79.9853, 15.0873



Protanomaly

71.9003, 80.1040, 21.5696



Deuteranomaly

73.9035, 79.5579, 36.2720



Tritanomaly

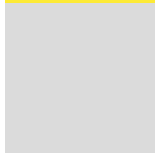
75.4100, 78.8362, 48.2882

Monochromacy



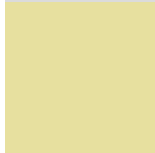
Original Color

70.5734, 79.9853, 15.0873



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

65.8687, 72.8034, 43.3817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.5734, 79.9853, 15.0873 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(253, 234, 53)` looks like.

```
.text, #text, p{  
    color:rgb(253, 234, 53)  
}
```

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(253, 234, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 234, 53) }
```

Border

The CSS property to change the border of an element to XYZ 70.5734, 79.9853, 15.0873 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(253, 234, 53) }
```


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

```
.border{ border-color:rgb(253, 234, 53) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(253, 234, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 234, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 234, 53);  
box-shadow:4px 4px 4px 4px rgb(253, 234,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 70.5734, 79.9853, 15.0873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 234, 53) }
```

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

```
.background{ background-color: rgb(253,  
234, 53) }
```

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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