

Converting Colors

XYZ(70.5866, 79.2668, 15.6130)

Have a look what the booklet for
XYZ(70.5866, 79.2668, 15.6130)
contains.

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Color

**XYZ(70.4934, 79.0895,
15.5534)**

Conversions

Conversions Part 1

Format	Color
Hex	FEE83A
RGB	254, 232, 58
RGB Percent	100%, 91%, 23%
CMY	0.0039, 0.0902, 0.7725
CMYK	0.00, 0.09, 0.77, 0.00
HSL	53°, 99%, 61%
HSV	53°, 77%, 100%
XYZ	70.4934, 79.0895, 15.5534
YIQ	218.7420, 68.9660, -49.4500

Conversions

Conversions Part 2

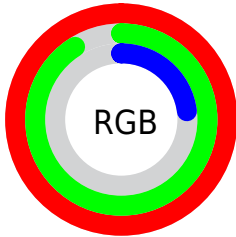
Format	Color
R_{YB}	83, 254, 58
Decimal	16705594
CIE _{Lab}	91.27, -9.80, 80.41
CIE _{LCh}	91, 81.003, 96.948
Yxy	79.0895, 0.4269, 0.4789
Android (android.graphics.Color)	4294895674 (0xFFFE83A)
YUV	218.7420, -79.2458, 30.9213
Hunter-Lab	88.9323, -14.1410, 51.8833

Details

The XYZ color **70.4934, 79.0895, 15.5534** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **22.5033, 13.7928, 95.2416**, and the grayscale version is **67.6537, 71.1770, 77.5117**.

A 20% lighter version of the original color is **80.3298, 94.1119, 31.3843**, and **37.7145, 42.7817, 6.2699** is the 20% darker color. If you saturate the color by 10%, you get **69.2045, 77.3036, 12.6838**, and if you desaturate by 10%, it is **72.1173, 81.0363, 20.1069**.

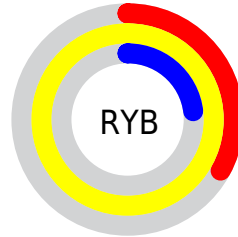
Distribution



Red (100%)

Green (91%)

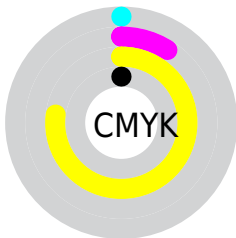
Blue (23%)



Red (33%)

Yellow (100%)

Blue (23%)

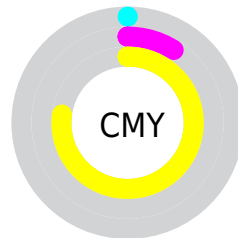


Cyan (0%)

Magenta (9%)

Yellow (77%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.4934, 79.0895, 15.5534 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 70.4934, 79.0895, 15.5534 by changing the saturation by 10% instead.


 70.4934, 79.0895,
15.5534

 70.4934, 79.0895,
15.5534


451.5200,
491.8591, 238.4469

 52.2099, 58.9694,
9.0578


 118.9345,
132.0849, 36.5771

 37.3974, 42.5885,
4.6816


 149.8229,
165.7289, 51.9422


 25.6904, 29.5624,
2.0062


 185.6437,
204.6497, 71.1009

 16.7236, 19.5067,
0.5591

 226.7621,
249.2317, 94.4717

 10.1317, 12.0369,
0.0000

 273.5436,
299.8592, 122.4731

 5.5493, 6.7688,
0.0000

326.3535,

 2.6111, 3.3180,

356.9167, 155.5238

0.0000

385.5572,
420.7885, 194.0422

■ 0.9516, 1.2999,
0.0000

■ 0.0000, 0.1411,
0.0000

■ 70.4934, 79.0895,
15.5534

■ 70.4934, 79.0895,
15.5534

■ 69.2045, 77.3036,
12.6838

■ 72.1173, 81.0363,
20.1069


■ 68.1920, 75.6460,
11.2140


■ 74.1121, 83.1493,
26.5569


■ 67.9327, 75.1906,
10.9328

■ 76.5147, 85.4465,
35.0901

■ 79.3563, 87.9403,
45.8694

 82.6647, 90.6421,
59.0416

 86.4654, 93.5621,
74.7410

 90.7822, 96.7100,
93.0920

94.6216, 99.6883,
108.8624

94.6828, 99.8107,
108.8828

Harmonies

Analogous

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



91.7267, 79.0895, 18.3245



70.4934, 79.0895, 15.5534



53.8378, 79.0895, 23.6489

Triad

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



70.4934, 79.0895, 15.5534



47.8135, 79.0895, 173.6004



117.6989, 79.0895, 138.4489

Complementary

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



70.4934, 79.0895, 15.5534



22.5033, 13.7928, 95.2416

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.



101.5078, 79.0895, 211.8771



70.4934, 79.0895, 15.5534



60.7399, 79.0895, 237.8151

Square

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



70.4934, 79.0895, 15.5534



42.3801, 79.0895, 100.5408



80.0536, 79.0895, 254.3302



121.6034, 79.0895, 73.1397

Rectangle

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



70.4934, 79.0895, 15.5534



46.6828, 79.0895, 37.9731



80.0536, 79.0895, 254.3302



113.3860, 79.0895, 163.7358

Sweetspot

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



70.4952, 79.0933, 15.5550



84.9400, 92.6541, 65.8409



43.8667, 24.6897, 10.2132



17.8945, 19.6085, 12.9211



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.



70.4952, 79.0933, 15.5550



69.1985, 77.0042, 11.7820



54.7657, 80.7569, 16.7051



19.3769, 20.7220, 19.1228



35.8841, 39.7794, 5.7869



3.5414, 3.9681, 0.5793

Inverse Universe

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



22.5033, 13.7928, 95.2416



19.2146, 9.1831, 95.3675



29.0973, 15.1803, 95.1619



17.1671, 17.7058, 22.7627



9.7082, 4.3260, 49.7579



0.9960, 0.5226, 4.8617

Previews

White Background



This preview shows how the XYZ color 70.4934, 79.0895, 15.5534 looks on a white background.

Color Contrast Check

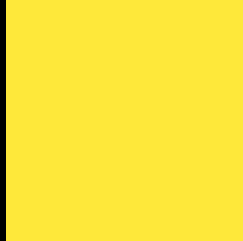
Large Text (above 18pt) WCAG AA × Fail

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 70.4934, 79.0895, 15.5534 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 70.4934, 79.0895, 15.5534

Background



This preview shows how black text looks on a background with the XYZ color 70.4934, 79.0895, 15.5534.



This preview shows how white text looks on a background with the XYZ color 70.4934, 79.0895,

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

70.4934, 79.0895, 15.5534

Protanopia

71.9351, 78.8129, 23.9914

Deuteranopia

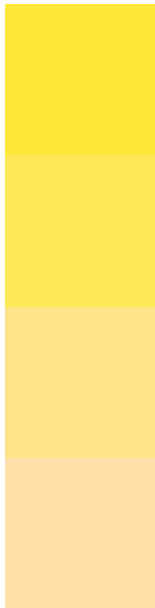
77.1349, 78.6983, 58.1386



Tritanopia

81.6619, 78.7991, 87.2496

Trichromacy



Original Color

70.4934, 79.0895, 15.5534

Protanomaly

71.4956, 79.0837, 20.3006

Deuteranomaly

73.7170, 78.6403, 36.1047

Tritanomaly

75.3266, 77.9750, 48.6167

Monochromacy



Original Color

70.4934, 79.0895, 15.5534

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

66.2795, 73.0052, 43.8558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.4934, 79.0895, 15.5534 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(254, 232, 58)` looks like.

```
.text, #text, p{  
    color:rgb(254, 232, 58)  
}
```

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(254, 232, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 232, 58) }
```

Border

The CSS property to change the border of an element to XYZ 70.4934, 79.0895, 15.5534 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(254, 232, 58) }
```


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

```
.border{ border-color:rgb(254, 232, 58) }
```

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

Here you see how a box with a 4 pixel rgb(254, 232, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 232, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 232, 58);  
box-shadow:4px 4px 4px 4px rgb(254, 232,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 70.4934, 79.0895, 15.5534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 232, 58) }
```

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

```
.background{ background-color: rgb(254,  
232, 58) }
```

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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