

Converting Colors

XYZ(70.1009, 89.0699, 20.4274)

Have a look what the booklet for
XYZ(70.1009, 89.0699, 20.4274)
contains.

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Color

**XYZ(70.0546, 89.0447,
20.5163)**

Conversions

Conversions Part 1

Format	Color
Hex	E7FF4D
RGB	231, 255, 77
RGB Percent	91%, 100%, 30%
CMY	0.0941, 0.0000, 0.6980
CMYK	0.09, 0.00, 0.70, 0.00
HSL	68°, 100%, 65%
HSV	68°, 70%, 100%
XYZ	70.0546, 89.0447, 20.5163
YIQ	227.5320, 42.8340, -60.4460

Conversions

Conversions Part 2

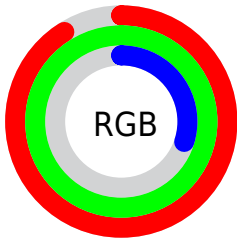
Format	Color
RYB	77, 255, 101
Decimal	15204173
CIELab	95.60, -29.38, 77.75
CIElCh	96, 83.118, 110.700
Yxy	89.0447, 0.3900, 0.4958
Android (android.graphics.Color)	4293394253 (0xFFE7FF4D)
YUV	227.5320, -74.2123, 3.0414
Hunter-Lab	94.3635, -32.6194, 53.1638

Details

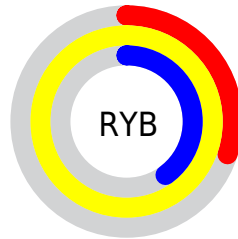
The XYZ color **70.0546, 89.0447, 20.5163** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **26.0719, 15.2958, 96.1860**, and the grayscale version is **73.9033, 77.7521, 84.6720**.

A 20% lighter version of the original color is **81.4439, 94.5576, 37.2514**, and **37.2073, 49.1588, 7.5276** is the 20% darker color. If you saturate the color by 10%, you get **68.2247, 88.1858, 16.6166**, and if you desaturate by 10%, it is **72.2592, 90.0561, 26.2766**.

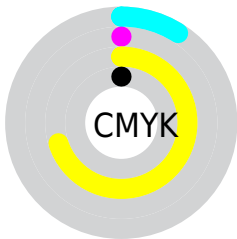
Distribution



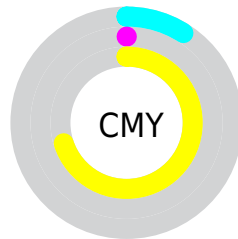
- Red (91%)
- Green (100%)
- Blue (30%)



- Red (30%)
- Yellow (100%)
- Blue (40%)



- Cyan (9%)
- Magenta (0%)
- Yellow (70%)
- Black (0%)



- Cyan (9%)
- Magenta (0%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0546, 89.0447, 20.5163 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 70.0546, 89.0447, 20.5163 by changing the saturation by 10% instead.

70.0546, 89.0447,
20.5163

70.0546, 89.0447,
20.5163

450.0051,
524.9184, 267.3927

51.8508, 67.1886,
12.5831

118.3125,
146.0107, 45.1514

37.1100, 49.2379,
7.0148

149.0972,
181.8894, 62.6904

25.4667, 34.8082,
3.3928

184.8064,
223.2111, 84.2684

16.5557, 23.5152,
1.2985

225.8053,
270.3602, 110.3040

10.0116, 14.9744,
0.0606

272.4592,
323.7211, 141.2157

5.4689, 8.8014,
0.0000

325.1336,

2.5625, 4.6119,

383.6782, 177.4220

0.0000

384.1938,
450.6158, 219.3415

■ 0.9269, 2.0214,
0.0000

■ 0.0000, 0.6199,
0.0000

■ 70.0546, 89.0447,
20.5163

■ 70.0546, 89.0447,
20.5163

■ 68.2247, 88.1858,
16.6166

■ 72.2592, 90.0561,
26.2766

■ 66.7251, 87.4615,
14.3427

■ 74.8751, 91.2344,
34.0880

■ 65.4856, 86.8438,
13.3256

■ 77.9349, 92.5929,
44.1215

■ 65.4621, 86.8320,
13.3100

■ 81.4675, 94.1431,
56.5290

85.4993, 95.8955,
71.4492

90.0548, 97.8600,
89.0102

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



91.9244, 89.0447, 18.3070



70.0546, 89.0447, 20.5163



55.0214, 89.0447, 37.1601

Triad

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



70.0546, 89.0447, 20.5163



59.7764, 89.0447, 230.3095



135.7326, 89.0447, 118.7110

Complementary

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



70.0546, 89.0447, 20.5163



26.0719, 15.2958, 96.1860

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.



123.3264, 89.0447, 200.2987



70.0546, 89.0447, 20.5163



77.7402, 89.0447, 281.3217

Square

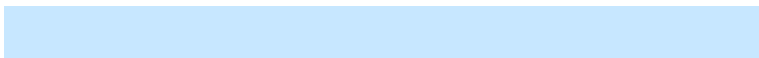
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.0546, 89.0447, 20.5163



49.8702, 89.0447, 148.4937



101.1083, 89.0447, 268.3847



132.6658, 89.0447, 58.9783

Rectangle

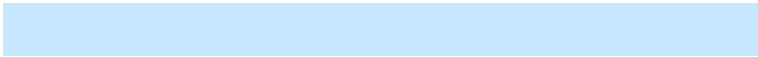
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.0546, 89.0447, 20.5163



49.6131, 89.0447, 61.0727



101.1083, 89.0447, 268.3847



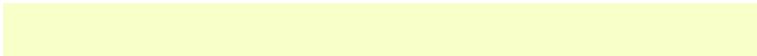
133.1609, 89.0447, 144.6952

Sweetspot

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



70.0547, 89.0448, 20.5175



84.9889, 95.6744, 69.5239



47.2082, 31.0527, 10.5280



17.9455, 20.3717, 13.9623



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.



70.0547, 89.0448, 20.5175



67.5577, 87.8665, 15.4788



48.3017, 77.8307, 19.4995



19.3061, 20.9593, 19.1723



34.2987, 45.4197, 6.9592



3.4033, 4.4552, 0.6806

Inverse Universe

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



26.0719, 15.2958, 96.1860



21.3390, 10.0824, 95.4291



41.8736, 23.4418, 96.9255



17.2307, 17.4951, 22.7187



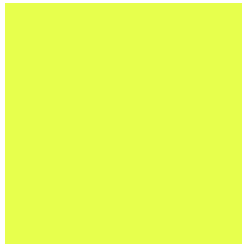
9.8521, 3.9894, 49.6854



1.0259, 0.4228, 4.8408

Previews

White Background



This preview shows how the XYZ color 70.0546, 89.0447, 20.5163 looks on a white background.

Color Contrast Check

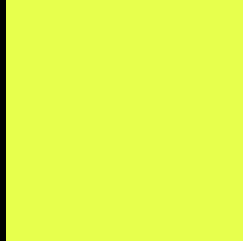
Large Text (above 18pt) WCAG AA × Fail

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 70.0546, 89.0447, 20.5163 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 70.0546, 89.0447, 20.5163

Background



This preview shows how black text looks on a background with the XYZ color 70.0546, 89.0447, 20.5163.



This preview shows how white text looks on a background with the XYZ color 70.0546, 89.0447,

Color Blindness Simulation

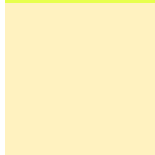
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



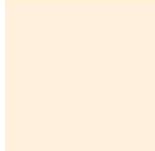
Original Color

70.0546, 89.0447, 20.5163



Protanopia

82.5066, 88.5700, 62.6163



Deuteranopia

85.5849, 88.8541, 81.7470



Tritanopia

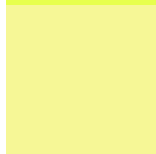
87.6279, 88.9095, 107.1505

Trichromacy



Original Color

70.0546, 89.0447, 20.5163



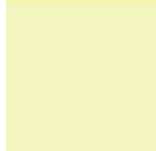
Protanomaly

76.7718, 88.3164, 41.8546



Deuteranomaly

77.8199, 87.7622, 50.3744



Tritanomaly

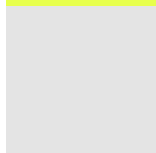
78.5646, 87.8998, 61.5408

Monochromacy



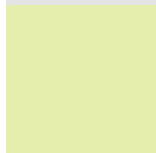
Original Color

70.0546, 89.0447, 20.5163



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

70.4305, 80.8242, 51.4237

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0546, 89.0447, 20.5163 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(231, 255, 77)` looks like.

```
.text, #text, p{  
    color:rgb(231, 255, 77)  
}
```

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(231, 255, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 255, 77) }
```

Border

The CSS property to change the border of an element to XYZ 70.0546, 89.0447, 20.5163 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(231, 255, 77) }
```


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

```
.border{ border-color:rgb(231, 255, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 255, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 255, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 255, 77);  
box-shadow:4px 4px 4px 4px rgb(231, 255,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0546, 89.0447, 20.5163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 255, 77) }
```

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

```
.background{ background-color: rgb(231,  
255, 77) }
```

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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