

Converting Colors

XYZ(70.8355, 89.3251, 26.0784)

Have a look what the booklet for
XYZ(70.8355, 89.3251, 26.0784)
contains.

XYZ(70.7914, 89.3023, 26.0763)	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(70.7914, 89.3023,
26.0763)**

Conversions

Conversions Part 1

Format	Color
Hex	E6FF66
RGB	230, 255, 102
RGB Percent	90%, 100%, 40%
CMY	0.0980, 0.0000, 0.6000
CMYK	0.10, 0.00, 0.60, 0.00
HSL	70°, 100%, 70%
HSV	70°, 60%, 100%
XYZ	70.7914, 89.3023, 26.0763
YIQ	230.0830, 34.2130, -52.8830

Conversions

Conversions Part 2

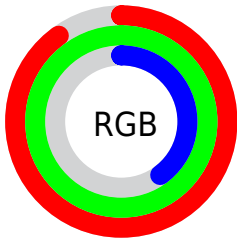
Format	Color
RYB	102, 255, 127
Decimal	15138662
CIELab	95.71, -28.27, 68.40
CIELCh	96, 74.007, 112.453
Yxy	89.3023, 0.3803, 0.4797
Android (android.graphics.Color)	4293328742 (0xFFE6FF66)
YUV	230.0830, -63.1449, -0.0728
Hunter-Lab	94.4999, -31.6576, 49.7894

Details

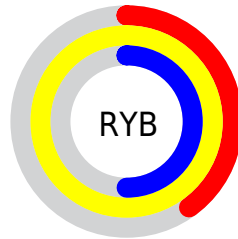
The XYZ color **70.7914, 89.3023, 26.0763** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **31.5549, 21.2360, 97.0436**, and the grayscale version is **75.7097, 79.6525, 86.7416**.

A 20% lighter version of the original color is **83.1716, 95.2486, 46.3490**, and **37.4247, 49.2205, 9.8135** is the 20% darker color. If you saturate the color by 10%, you get **68.3937, 88.1906, 20.3475**, and if you desaturate by 10%, it is **73.6101, 90.5861, 33.8567**.

Distribution



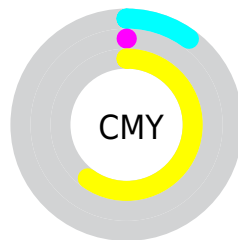
- Red (90%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (50%)



- Cyan (10%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (10%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.7914, 89.3023, 26.0763 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 70.7914, 89.3023, 26.0763 by changing the saturation by 10% instead.


 70.7914, 89.3023,
26.0763


 70.7914, 89.3023,
26.0763


452.5471,
525.7586, 296.7738


 52.4539, 67.4021,
16.6545


 119.3568,
146.3689, 54.3836


 37.5927, 49.4115,
9.8291


 150.3154,
182.3041, 74.1061

 25.8425, 34.9460,
5.1817


 186.2117,
223.6864, 98.0993

 16.8379, 23.6213,
2.2936

 227.4112,
270.9002, 126.7817

 10.2136, 15.0529,
0.7277

274.2791,
324.3300, 160.5718

 5.6042, 8.8565,
0.0000

327.1808,

 2.6443, 4.6477,

384.3600, 199.8881

0.0000

386.4817,
451.3748, 245.1493

■ 0.9686, 2.0421,
0.0000

■ 0.0000, 0.6318,
0.0000

■ 70.7914, 89.3023,
26.0763

■ 70.7914, 89.3023,
26.0763

■ 68.3937, 88.1906,
20.3475

■ 73.6101, 90.5861,
33.8567

■ 66.3796, 87.2359,
16.4721

■ 76.8821, 92.0549,
43.8552

■ 64.7048, 86.4207,
14.2191

■ 80.6365, 93.7205,
56.2254

■ 63.2971, 85.7159,
13.2088

■ 84.9001, 95.5935,
71.1062

■ 63.2968, 85.7157,
13.2087

■ 89.6973, 97.6838,
88.6259

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.



90.1239, 89.3023, 23.0699



70.7914, 89.3023, 26.0763



57.4760, 89.3023, 43.6738

Triad

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



70.7914, 89.3023, 26.0763



63.1922, 89.3023, 215.9309



129.8908, 89.3023, 112.7119

Complementary

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



70.7914, 89.3023, 26.0763



31.5549, 21.2360, 97.0436

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.



119.8455, 89.3023, 182.7878



70.7914, 89.3023, 26.0763



79.8419, 89.3023, 256.0565

Square

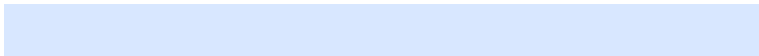
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.7914, 89.3023, 26.0763



53.6026, 89.3023, 146.6354



100.7219, 89.3023, 241.9705



126.4320, 89.3023, 60.4002

Rectangle

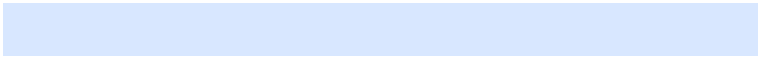
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.7914, 89.3023, 26.0763



52.7635, 89.3023, 67.2054



100.7219, 89.3023, 241.9705



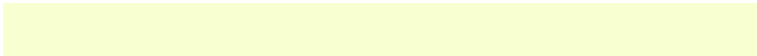
127.9326, 89.3023, 135.0944

Sweetspot

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



70.7915, 89.3023, 26.0775



85.8152, 95.9935, 74.3922



50.9663, 36.8749, 17.0029



18.0843, 20.4225, 14.9063



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.



70.7915, 89.3023, 26.0775



67.9611, 87.9874, 19.4301



51.7824, 79.5028, 25.1879



19.2526, 20.9317, 19.1698



33.1823, 44.8442, 6.9069



3.3051, 4.4046, 0.6760

Inverse Universe

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



31.5549, 21.2360, 97.0436



25.7406, 14.5675, 96.0629



47.0108, 29.2038, 97.7669



17.2795, 17.5203, 22.7210



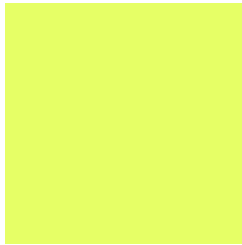
10.0042, 4.0678, 49.6925



1.0487, 0.4346, 4.8419

Previews

White Background



This preview shows how the XYZ color 70.7914, 89.3023, 26.0763 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 70.7914, 89.3023, 26.0763 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 70.7914, 89.3023, 26.0763

Background



This preview shows how black text looks on a background with the XYZ color 70.7914, 89.3023, 26.0763.



This preview shows how white text looks on a background with the XYZ color 70.7914, 89.3023,

Color Blindness Simulation

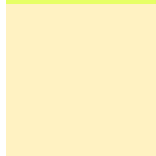
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



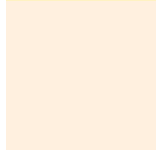
Original Color

70.7914, 89.3023, 26.0763



Protanopia

82.7297, 88.6593, 63.7916



Deuteranopia

85.7194, 88.9079, 82.4551



Tritanopia

87.2161, 89.1330, 107.2153

Trichromacy



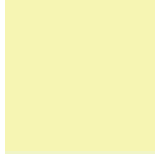
Original Color

70.7914, 89.3023, 26.0763



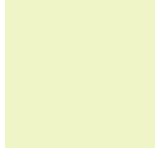
Protanomaly

77.6998, 88.6876, 46.7414



Deuteranomaly

78.7951, 88.1523, 55.5100



Tritanomaly

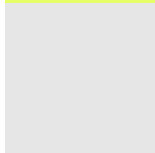
78.8964, 87.9536, 66.8513

Monochromacy



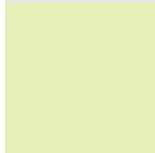
Original Color

70.7914, 89.3023, 26.0763



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.0469, 81.9749, 56.8252

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7914, 89.3023, 26.0763 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(230, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(230, 255, 102)  
}
```

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(230, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 102) }
```

Border

The CSS property to change the border of an element to XYZ 70.7914, 89.3023, 26.0763 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(230, 255, 102) }
```


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

```
.border{ border-color:rgb(230, 255, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7914, 89.3023, 26.0763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 255, 102) }
```

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

```
.background{ background-color: rgb(230,  
255, 102) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor