

Converting Colors

$Y_{xy}(71.7060, 0.2177, 0.2920)$

Have a look what the booklet for
Yxy(71.7060, 0.2177, 0.2920)
contains.

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Color

Yxy(70.7590, 0.2234, 0.3116)

Conversions

Conversions Part 1

Format	Color
Hex	30F1FF
RGB	48, 241, 255
RGB Percent	19%, 95%, 100%
CMY	0.8110, 0.0549, 0.0000
CMYK	0.81, 0.05, 0.00, 0.00
HSL	184°, 100%, 59%
HSV	184°, 81%, 100%
XYZ	50.7303, 70.7590, 105.5935
YIQ	184.8890, -119.5220, -36.5620

Conversions

Conversions Part 2

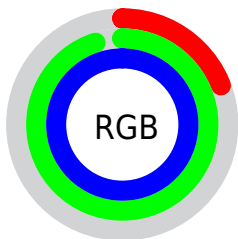
Format	Color
RYB	48, 148, 255
Decimal	3207679
CIELab	87.37, -39.97, -19.74
CIElCh	87, 44.579, 206.290
Yxy	70.7590, 0.2234, 0.3116
Android (android.graphics.Color)	4281397759 (0xFF30F1FF)
YUV	184.8890, 34.5647, -120.0517
Hunter-Lab	84.1184, -39.5570, -15.5437

Details

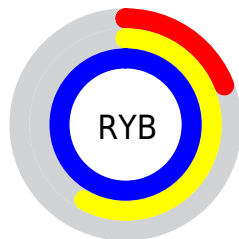
The Yxy color **70.7590, 0.2234, 0.3116** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **24.9408, 0.5897, 0.3380**, and the grayscale version is **48.3359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6455, 0.2489, 0.3288**, and **38.3582, 0.2185, 0.3067** is the 20% darker color. If you saturate the color by 10%, you get **69.2896, 0.2203, 0.3093**, and if you desaturate by 10%, it is **72.5989, 0.2284, 0.3139**.

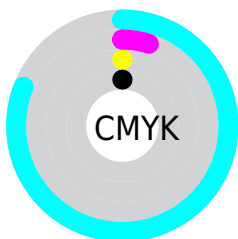
Distribution



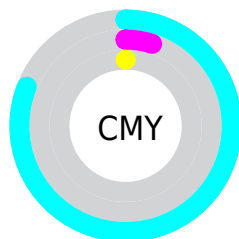
- Red (19%)
- Green (95%)
- Blue (100%)



- Red (19%)
- Yellow (58%)
- Blue (100%)



- Cyan (81%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)





- Cyan (81%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.7590, 0.2234, 0.3116 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 Yxy color 70.7590, 0.2234, 0.3116 by changing the saturation by 10% instead.


 70.7590, 0.2234,
0.3116

 70.7590, 0.2234,
0.3116


463.2105, 0.2634,
0.3211


 52.1455, 0.2147,
0.3091


 120.2905, 0.2370,
0.3152


 37.1211, 0.2041,
0.3059


 151.9773, 0.2423,
0.3165

 25.3013, 0.1911,
0.3016


 188.7908, 0.2470,
0.3176

 16.3017, 0.1748,
0.2955

 231.1152, 0.2511,
0.3185

 9.7379, 0.1537,
0.2868

279.3350, 0.2547,
0.3193

 5.2255, 0.1262,
0.2731

333.8345, 0.2579,

 2.3802, 0.0895,

0.3200

394.9982, 0.2608,
0.3206

0.2502

0.8157, 0.0000,
0.2169

0.0000, 0.0000,
0.0000

70.7590, 0.2234,
0.3116

70.7590, 0.2234,
0.3116

69.2896, 0.2203,
0.3093

72.5989, 0.2284,
0.3139

68.2141, 0.2187,
0.3073

74.8554, 0.2353,
0.3163

77.5752, 0.2442,
0.3186

80.7968, 0.2549,
0.3209

■ 84.5547, 0.2673,
0.3230

■ 88.8803, 0.2809,
0.3251

■ 93.8027, 0.2956,
0.3270

■ 99.3486, 0.3110,
0.3288

■ 100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



70.7590, 0.2539, 0.3663



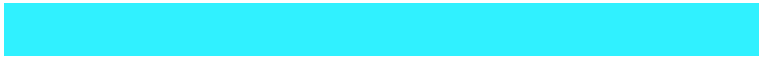
70.7590, 0.2234, 0.3116



70.7590, 0.2152, 0.2688

Triad

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



70.7590, 0.2234, 0.3116



70.7590, 0.3166, 0.2620



70.7590, 0.3989, 0.4117

Complementary

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



70.7590, 0.2234, 0.3116



24.9408, 0.5897, 0.3380

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.



70.7590, 0.4204, 0.3761



70.7590, 0.2234, 0.3116



70.7590, 0.3711, 0.2935

Square

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



70.7590, 0.2234, 0.3116



70.7590, 0.2653, 0.2451



70.7590, 0.4106, 0.3338



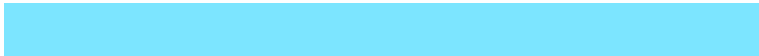
70.7590, 0.3549, 0.4277

Rectangle

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



70.7590, 0.2234, 0.3116



70.7590, 0.2225, 0.2515



70.7590, 0.4106, 0.3338



70.7590, 0.4092, 0.4013

Sweetspot

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



70.7614, 0.2234, 0.3116



87.5674, 0.2768, 0.3245



72.5004, 0.2983, 0.5713



18.4118, 0.2719, 0.3238



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.7614, 0.2234, 0.3116



68.5651, 0.2192, 0.3080



25.9740, 0.1859, 0.1704



20.2584, 0.2980, 0.3273



35.7330, 0.2188, 0.3077



3.5400, 0.2195, 0.3103

Inverse Universe

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



29.7398, 0.3347, 0.1711



27.6139, 0.3384, 0.1645



48.5226, 0.4890, 0.4291



18.2779, 0.3148, 0.3071



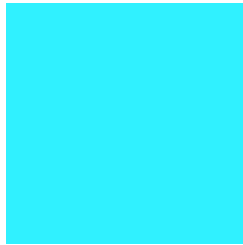
14.3352, 0.3387, 0.1640



1.4019, 0.3365, 0.1627

Previews

White Background



This preview shows how the Yxy color 70.7590, 0.2234, 0.3116 looks on a white background.

Color Contrast Check

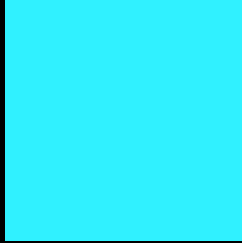
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 70.7590, 0.2234, 0.3116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

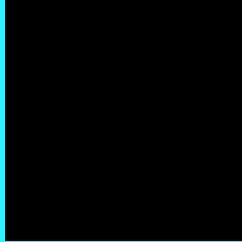
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.7590, 0.2234, 0.3116

Background



This preview shows how black text looks on a background with the Yxy color 70.7590, 0.2234, 0.3116.

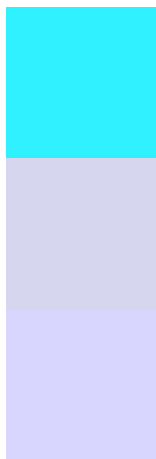


This preview shows how white text looks on a background with the Yxy color 70.7590, 0.2234, 0.3116.

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

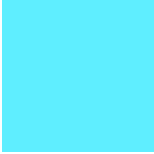
70.7590, 0.2234, 0.3116

Protanopia

69.1290, 0.2963, 0.3030

Deuteranopia

69.4074, 0.2877, 0.2846



Tritanopia

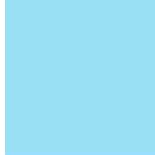
70.8020, 0.2323, 0.3084

Trichromacy



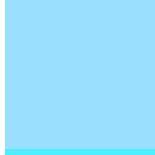
Original Color

70.7590, 0.2234, 0.3116



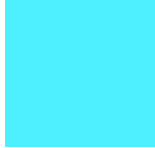
Protanomaly

66.7739, 0.2572, 0.3042



Deuteranomaly

66.9639, 0.2526, 0.2919



Tritanomaly

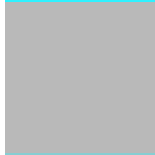
70.5727, 0.2282, 0.3094

Monochromacy



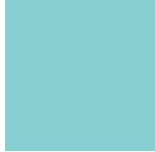
Original Color

70.7590, 0.2234, 0.3116



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

53.4667, 0.2619, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7590, 0.2234, 0.3116 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(48, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(48, 241, 255)  
}
```

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(48, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 241, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.7590, 0.2234, 0.3116 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(48, 241, 255) }
```

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

```
.border{ border-color:rgb(48, 241, 255) }
```

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

Here you see how a box with a 4 pixel rgb(48, 241, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(48, 241,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7590, 0.2234, 0.3116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 241, 255) }
```

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

```
.background{ background-color: rgb(48, 241,  
255) }
```

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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