

Converting Colors

$Y_{xy}(72.1250, 0.2309, 0.3119)$

Have a look what the booklet for
Yxy(72.1250, 0.2309, 0.3119)
contains.

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Color

Yxy(72.1568, 0.2310, 0.3119)

Conversions

Conversions Part 1

Format	Color
Hex	57F1FF
RGB	87, 241, 255
RGB Percent	34%, 95%, 100%
CMY	0.6587, 0.0549, 0.0000
CMYK	0.66, 0.05, 0.00, 0.00
HSL	185°, 100%, 67%
HSV	185°, 66%, 100%
XYZ	53.4409, 72.1568, 105.7482
YIQ	196.5500, -96.2780, -28.2940

Conversions

Conversions Part 2

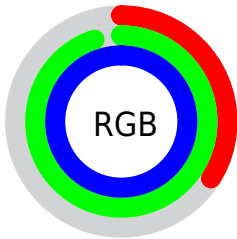
Format	Color
R _Y B	87, 167, 255
Decimal	5763583
CIE Lab	88.04, -35.78, -18.68
CIE LCh	88, 40.364, 207.560
Yxy	72.1568, 0.2310, 0.3119
Android (android.graphics.Color)	4283953663 (0xFF57F1FF)
YUV	196.5500, 28.8159, -96.0753
Hunter-Lab	84.9452, -36.3557, -14.3485

Details

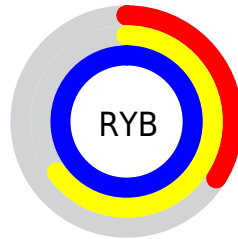
The Yxy color **72.1568, 0.2310, 0.3119** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **31.2598, 0.5208, 0.3419**, and the grayscale version is **55.4191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7086, 0.2583, 0.3288**, and **38.3582, 0.2185, 0.3067** is the 20% darker color. If you saturate the color by 10%, you get **69.8877, 0.2248, 0.3090**, and if you desaturate by 10%, it is **74.8746, 0.2392, 0.3148**.

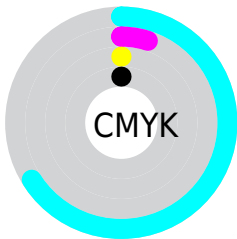
Distribution



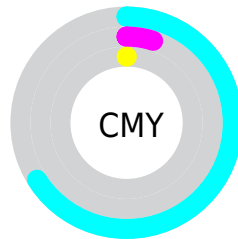
- Red (34%)
- Green (95%)
- Blue (100%)



- Red (34%)
- Yellow (65%)
- Blue (100%)



- Cyan (66%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)




- Cyan (66%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.1568, 0.2310, 0.3119 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 72.1568, 0.2310, 0.3119 by changing the saturation by 10% instead.


 72.1568, 0.2310,
0.3119


 72.1568, 0.2310,
0.3119

468.0872, 0.2676,
0.3210


 53.2868, 0.2230,
0.3096


 122.2794, 0.2434,
0.3153


 38.0318, 0.2133,
0.3065


 154.3008, 0.2483,
0.3165

 26.0073, 0.2013,
0.3025


 191.4748, 0.2526,
0.3176

 16.8291, 0.1861,
0.2970

 234.1858, 0.2563,
0.3185

 10.1127, 0.1666,
0.2890

282.8181, 0.2597,
0.3192

 5.4738, 0.1406,
0.2767

337.7562, 0.2626,

 2.5278, 0.1052,

0.3199

0.2561

399.3844, 0.2652,
0.3205

0.8905, 0.0000,
0.2313

0.0000, 0.0000,
0.0000

72.1568, 0.2310,
0.3119

72.1568, 0.2310,
0.3119

69.8877, 0.2248,
0.3090

74.8746, 0.2392,
0.3148

68.0181, 0.2205,
0.3062

78.0810, 0.2492,
0.3177

66.4888, 0.2180,
0.3033

81.8127, 0.2610,
0.3204

65.9211, 0.2173,
0.3022

86.1025, 0.2741,
0.3230

■ 90.9805, 0.2884,
0.3255

■ 96.4746, 0.3036,
0.3278

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.



72.1568, 0.2582, 0.3605



72.1568, 0.2310, 0.3119



72.1568, 0.2242, 0.2737

Triad

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



72.1568, 0.2310, 0.3119



72.1568, 0.3186, 0.2691



72.1568, 0.3895, 0.4051

Complementary

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



72.1568, 0.2310, 0.3119



31.2598, 0.5208, 0.3419

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.



72.1568, 0.4095, 0.3740



72.1568, 0.2310, 0.3119



72.1568, 0.3672, 0.2984

Square

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



72.1568, 0.2310, 0.3119



72.1568, 0.2717, 0.2530



72.1568, 0.4016, 0.3356



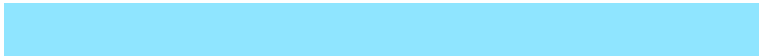
72.1568, 0.3493, 0.4175

Rectangle

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



72.1568, 0.2310, 0.3119



72.1568, 0.2315, 0.2583



72.1568, 0.4016, 0.3356



72.1568, 0.3989, 0.3962

Sweetspot

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



72.1571, 0.2310, 0.3119



88.8951, 0.2824, 0.3245



74.4871, 0.2982, 0.5283



18.7357, 0.2784, 0.3238



0.0000, 0.0000, 0.0000



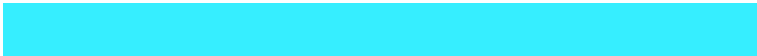
21.4041, 0.3127, 0.3290

Same Dimension

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



72.1571, 0.2310, 0.3119



69.2629, 0.2233, 0.3081



33.3649, 0.2043, 0.2002



20.2071, 0.2980, 0.3270



34.5532, 0.2174, 0.3026



3.4376, 0.2183, 0.3059

Inverse Universe

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



34.4303, 0.3332, 0.1896



30.0420, 0.3375, 0.1748



56.6497, 0.4510, 0.4236



18.2727, 0.3151, 0.3075



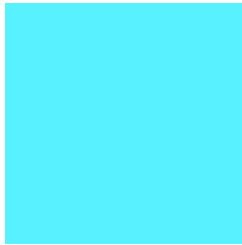
14.2161, 0.3431, 0.1664



1.3916, 0.3403, 0.1648

Previews

White Background



This preview shows how the Yxy color 72.1568, 0.2310, 0.3119 looks on a white background.

Color Contrast Check

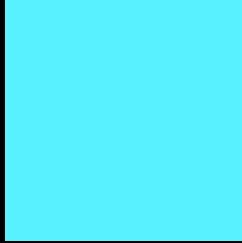
Large Text (above 18pt) WCAG AA × Fail

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 72.1568, 0.2310, 0.3119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

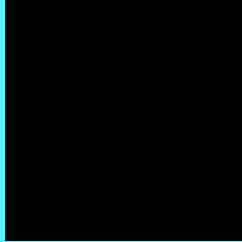
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.1568, 0.2310, 0.3119

Background



This preview shows how black text looks on a background with the Yxy color 72.1568, 0.2310, 0.3119.

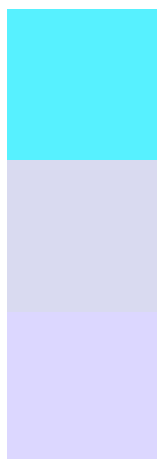


This preview shows how white text looks on a background with the Yxy color 72.1568, 0.2310, 0.3119.

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

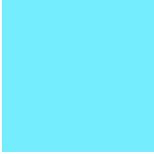
72.1568, 0.2310, 0.3119

Protanopia

71.1858, 0.2978, 0.3054

Deuteranopia

71.0365, 0.2904, 0.2871



Tritanopia

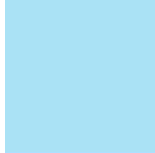
72.0821, 0.2391, 0.3087

Trichromacy



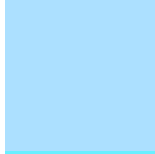
Original Color

72.1568, 0.2310, 0.3119



Protanomaly

69.5313, 0.2661, 0.3071



Deuteranomaly

69.3020, 0.2618, 0.2940



Tritanomaly

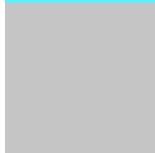
71.9563, 0.2356, 0.3097

Monochromacy



Original Color

72.1568, 0.2310, 0.3119



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

59.8186, 0.2716, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.1568, 0.2310, 0.3119 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(87, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(87, 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(87, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 241, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.1568, 0.2310, 0.3119 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(87, 241, 255) }
```

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

```
.border{ border-color:rgb(87, 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(87, 241, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(87, 241,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 72.1568, 0.2310, 0.3119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 241, 255) }
```

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

```
.background{ background-color: rgb(87, 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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