

Converting Colors

$Y_{xy}(66.1889, 0.2400, 0.2946)$

Have a look what the booklet for
Yxy(66.1889, 0.2400, 0.2946)
contains.

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Color

Yxy(66.0483, 0.2400, 0.2943)

Conversions

Conversions Part 1

Format	Color
Hex	7EE2FF
RGB	126, 226, 255
RGB Percent	49%, 89%, 100%
CMY	0.5054, 0.1138, 0.0000
CMYK	0.51, 0.11, 0.00, 0.00
HSL	194°, 100%, 75%
HSV	194°, 51%, 100%
XYZ	53.8620, 66.0483, 104.5148
YIQ	199.4060, -68.9090, -12.1810

Conversions

Conversions Part 2

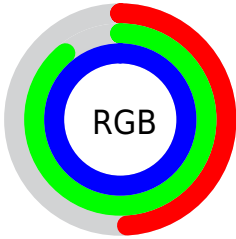
Format	Color
RYB	126, 182, 255
Decimal	8315647
CIELab	85.02, -21.67, -23.11
CIELCh	85, 31.686, 226.844
Yxy	66.0483, 0.2400, 0.2943
Android (android.graphics.Color)	4286505727 (0xFF7EE2FF)
YUV	199.4060, 27.4078, -64.3771
Hunter-Lab	81.2701, -23.9212, -19.3589

Details

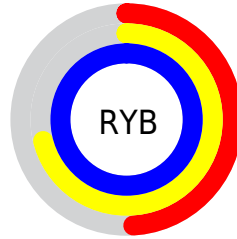
The Yxy color **66.0483, 0.2400, 0.2943** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **46.2530, 0.4409, 0.3593**, and the grayscale version is **57.2526, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1791, 0.2731, 0.3289**, and **34.2598, 0.2240, 0.2862** is the 20% darker color. If you saturate the color by 10%, you get **61.2817, 0.2289, 0.2861**, and if you desaturate by 10%, it is **71.4185, 0.2526, 0.3021**.

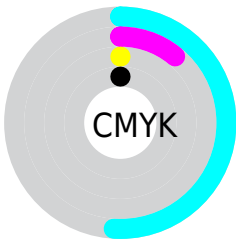
Distribution



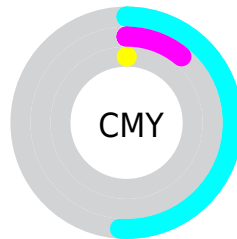
- Red (49%)
- Green (89%)
- Blue (100%)



- Red (49%)
- Yellow (71%)
- Blue (100%)



- Cyan (51%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)





- Cyan (51%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.0483, 0.2400, 0.2943 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 66.0483, 0.2400, 0.2943 by changing the saturation by 10% instead.


 66.0483, 0.2400,
0.2943


 66.0483, 0.2400,
0.2943


446.5496, 0.2732,
0.3113


 48.3116, 0.2326,
0.2902


 113.5557, 0.2514,
0.3004

 34.0737, 0.2236,
0.2851

 144.0951, 0.2558,
0.3027

 22.9502, 0.2123,
0.2784

 179.6709, 0.2597,
0.3047

 14.5568, 0.1979,
0.2695

220.6676, 0.2631,
0.3064

 8.5089, 0.1790,
0.2572

267.4693, 0.2660,
0.3079

 4.4223, 0.1534,
0.2389

320.4607, 0.2687,

 1.9125, 0.1175,

0.3092

0.2102

380.0260, 0.2710,
0.3103

0.5559, 0.0000,
0.1634

0.0000, 0.0000,
0.0000

66.0483, 0.2400,
0.2943

66.0483, 0.2400,
0.2943

61.2817, 0.2289,
0.2861

71.4185, 0.2526,
0.3021

57.0718, 0.2197,
0.2778

77.4201, 0.2664,
0.3096

53.3764, 0.2124,
0.2694

84.0877, 0.2811,
0.3165

50.1417, 0.2071,
0.2610

91.4511, 0.2964,
0.3229

■ 47.4265, 0.2037,
0.2532

99.5381, 0.3119,
0.3287

99.9999, 0.3127,
0.3290

Harmonies

Analogous

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



66.0483, 0.2521, 0.3294



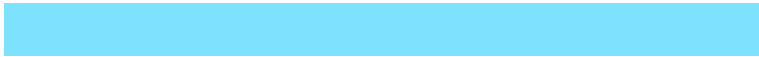
66.0483, 0.2400, 0.2943



66.0483, 0.2457, 0.2717

Triad

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



66.0483, 0.2400, 0.2943



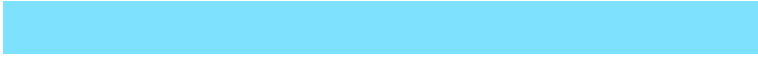
66.0483, 0.3436, 0.2944



66.0483, 0.3559, 0.3992

Complementary

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



66.0483, 0.2400, 0.2943



46.2530, 0.4409, 0.3593

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.



66.0483, 0.3833, 0.3839



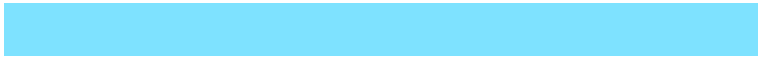
66.0483, 0.2400, 0.2943



66.0483, 0.3766, 0.3238

Square

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



66.0483, 0.2400, 0.2943



66.0483, 0.3035, 0.2734



66.0483, 0.3913, 0.3559



66.0483, 0.3180, 0.3940

Rectangle

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



66.0483, 0.2400, 0.2943



66.0483, 0.2589, 0.2654



66.0483, 0.3913, 0.3559



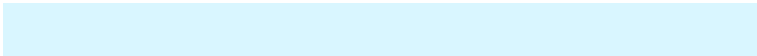
66.0483, 0.3667, 0.3960

Sweetspot

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



66.0508, 0.2400, 0.2943



88.0828, 0.2895, 0.3201



78.2976, 0.2927, 0.4564



18.5228, 0.2863, 0.3188



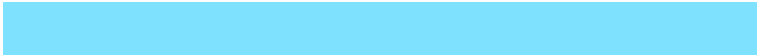
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



66.0508, 0.2400, 0.2943



61.0783, 0.2285, 0.2858



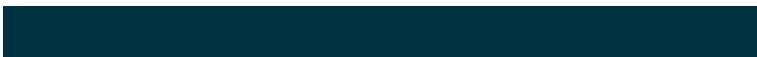
37.7280, 0.2240, 0.2129



19.7471, 0.2980, 0.3235



25.0161, 0.2041, 0.2546



2.5976, 0.2067, 0.2640

Inverse Universe

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



41.7011, 0.3453, 0.2306



35.4359, 0.3543, 0.2141



73.1617, 0.4045, 0.4215



18.2263, 0.3173, 0.3108



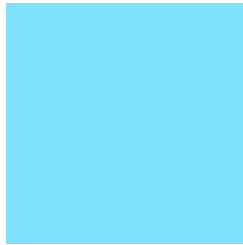
13.2534, 0.3877, 0.1910



1.3068, 0.3785, 0.1859

Previews

White Background



This preview shows how the Yxy color 66.0483, 0.2400, 0.2943 looks on a white background.

Color Contrast Check

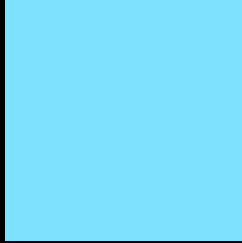
Large Text (above 18pt) WCAG AA × Fail

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 66.0483, 0.2400, 0.2943 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 66.0483, 0.2400, 0.2943

Background



This preview shows how black text looks on a background with the Yxy color 66.0483, 0.2400, 0.2943.

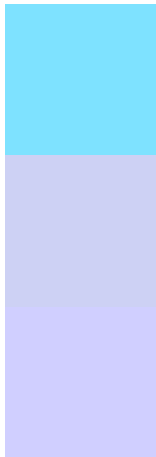


This preview shows how white text looks on a background with the Yxy color 66.0483, 0.2400, 0.2943.

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

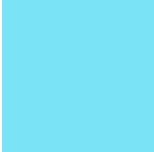
66.0483, 0.2400, 0.2943

Protanopia

65.1117, 0.2868, 0.2904

Deuteranopia

65.2555, 0.2820, 0.2773



Tritanopia

65.8029, 0.2429, 0.3058

Trichromacy



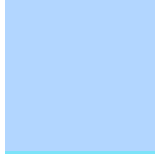
Original Color

66.0483, 0.2400, 0.2943



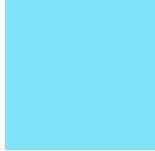
Protanomaly

64.6083, 0.2665, 0.2911



Deuteranomaly

64.7781, 0.2638, 0.2827



Tritanomaly

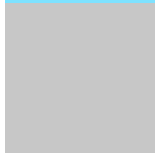
66.0628, 0.2420, 0.3023

Monochromacy



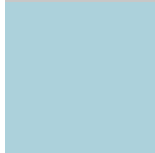
Original Color

66.0483, 0.2400, 0.2943



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

59.4861, 0.2801, 0.3167

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.0483, 0.2400, 0.2943 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(126, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(126, 226, 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(126, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 226, 255) }
```

Border

The CSS property to change the border of an element to Yxy 66.0483, 0.2400, 0.2943 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(126, 226, 255) }
```

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

```
.border{ border-color:rgb(126, 226, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(126, 226, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(126, 226, 255); box-shadow:4px 4px 4px 4px rgb(126, 226, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 66.0483, 0.2400, 0.2943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 226, 255) }
```

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

```
.background{ background-color: rgb(126,  
226, 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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