

Converting Colors

$Y_{xy}(66.0248, 0.2278, 0.2986)$

Have a look what the booklet for
Yxy(66.0248, 0.2278, 0.2986)
contains.

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Color

Yxy(65.8399, 0.2277, 0.2982)

Conversions

Conversions Part 1

Format	Color
Hex	57E6FF
RGB	87, 230, 255
RGB Percent	34%, 90%, 100%
CMY	0.6591, 0.0980, 0.0000
CMYK	0.66, 0.10, 0.00, 0.00
HSL	189°, 100%, 67%
HSV	189°, 66%, 100%
XYZ	50.2741, 65.8399, 104.6771
YIQ	190.0930, -93.2530, -22.5410

Conversions

Conversions Part 2

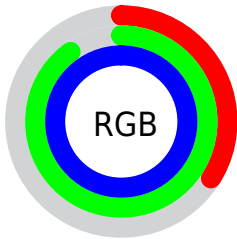
Format	Color
RYB	87, 164, 255
Decimal	5760767
CIELab	84.91, -30.61, -23.40
CIELCh	85, 38.532, 217.393
Yxy	65.8399, 0.2277, 0.2982
Android (android.graphics.Color)	4283950847 (0xFF57E6FF)
YUV	190.0930, 31.9992, -90.4126
Hunter-Lab	81.1418, -31.4024, -19.6879

Details

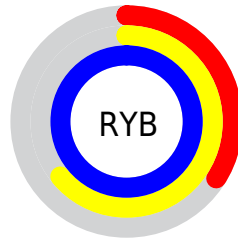
The Yxy color **65.8399, 0.2277, 0.2982** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **33.5206, 0.5122, 0.3522**, and the grayscale version is **51.3930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6100, 0.2579, 0.3288**, and **34.3493, 0.2139, 0.2901** is the 20% darker color. If you saturate the color by 10%, you get **62.7363, 0.2206, 0.2929**, and if you desaturate by 10%, it is **69.4256, 0.2368, 0.3035**.

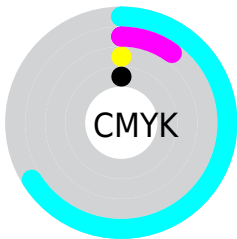
Distribution



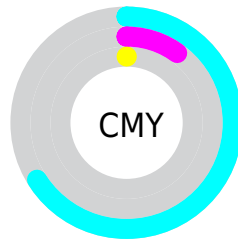
- Red (34%)
- Green (90%)
- Blue (100%)



- Red (34%)
- Yellow (64%)
- Blue (100%)



- Cyan (66%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)





- Cyan (66%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.8399, 0.2277, 0.2982 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 65.8399, 0.2277, 0.2982 by changing the saturation by 10% instead.

 65.8399, 0.2277,
0.2982

 65.8399, 0.2277,
0.2982

445.8041, 0.2662,
0.3139

 48.1424, 0.2192,
0.2943


 113.2565, 0.2409,
0.3039


 33.9397, 0.2088,
0.2894


 143.7445, 0.2460,
0.3060

 22.8473, 0.1960,
0.2830


 179.2647, 0.2505,
0.3078

 14.4808, 0.1797,
0.2743

 220.2016, 0.2545,
0.3094

 8.4558, 0.1586,
0.2619

266.9396, 0.2579,
0.3107

 4.3880, 0.1306,
0.2434

319.8631, 0.2610,

 1.8929, 0.0928,

0.3119

0.2137

379.3565, 0.2638,
0.3129

■ 0.5441, 0.0000,
0.1598

■ 0.0000, 0.0000,
0.0000

■ 65.8399, 0.2277,
0.2982

■ 65.8399, 0.2277,
0.2982

■ 62.7363, 0.2206,
0.2929

■ 69.4256, 0.2368,
0.3035

■ 60.0619, 0.2155,
0.2875

■ 73.5300, 0.2476,
0.3087

■ 57.7584, 0.2122,
0.2822

■ 78.1914, 0.2600,
0.3137

■ 56.8865, 0.2111,
0.2801

■ 83.4428, 0.2737,
0.3184

■ 89.3143, 0.2883,
0.3227

■ 95.8343, 0.3035,
0.3268

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.



65.8399, 0.2482, 0.3441



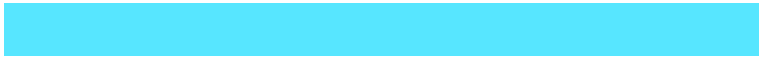
65.8399, 0.2277, 0.2982



65.8399, 0.2279, 0.2660

Triad

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



65.8399, 0.2277, 0.2982



65.8399, 0.3347, 0.2782



65.8399, 0.3770, 0.4105

Complementary

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



65.8399, 0.2277, 0.2982



33.5206, 0.5122, 0.3522

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.



65.8399, 0.4043, 0.3847



65.8399, 0.2277, 0.2982



65.8399, 0.3798, 0.3104

Square

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



65.8399, 0.2277, 0.2982



65.8399, 0.2865, 0.2575



65.8399, 0.4059, 0.3482



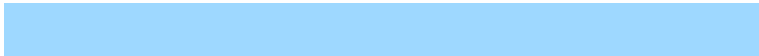
65.8399, 0.3335, 0.4142

Rectangle

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



65.8399, 0.2277, 0.2982



65.8399, 0.2394, 0.2550



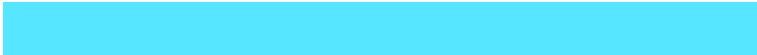
65.8399, 0.4059, 0.3482



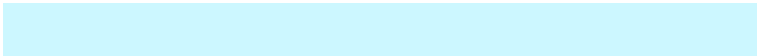
65.8399, 0.3885, 0.4038

Sweetspot

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



65.8414, 0.2277, 0.2982



86.8335, 0.2822, 0.3210



74.6550, 0.2952, 0.5190



18.2347, 0.2781, 0.3198



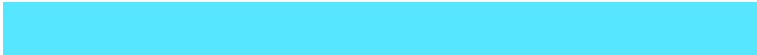
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



65.8414, 0.2277, 0.2982



61.8653, 0.2188, 0.2912



30.6000, 0.2015, 0.1888



19.9939, 0.2980, 0.3254



29.8993, 0.2114, 0.2810



3.0308, 0.2131, 0.2870

Inverse Universe

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



33.7804, 0.3446, 0.1976



29.2952, 0.3522, 0.1838



60.2545, 0.4445, 0.4312



18.2512, 0.3161, 0.3090



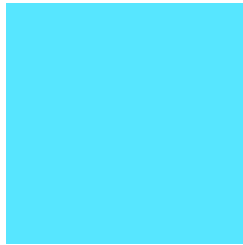
13.7463, 0.3626, 0.1771



1.3505, 0.3571, 0.1741

Previews

White Background



This preview shows how the Yxy color 65.8399, 0.2277, 0.2982 looks on a white background.

Color Contrast Check

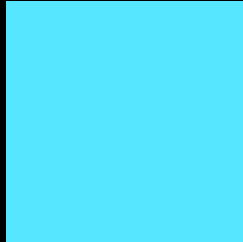
Large Text (above 18pt) WCAG AA × Fail

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 65.8399, 0.2277, 0.2982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

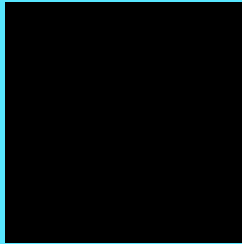
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.8399, 0.2277, 0.2982

Background



This preview shows how black text looks on a background with the Yxy color 65.8399, 0.2277, 0.2982.

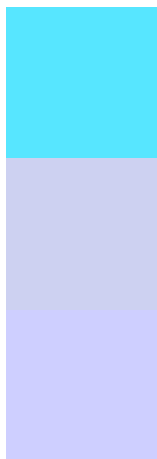


This preview shows how white text looks on a background with the Yxy color 65.8399, 0.2277, 0.2982.

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

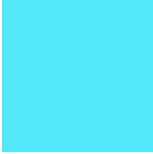
65.8399, 0.2277, 0.2982

Protanopia

64.9309, 0.2887, 0.2936

Deuteranopia

64.9675, 0.2807, 0.2771



Tritanopia

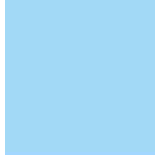
65.9388, 0.2291, 0.3053

Trichromacy



Original Color

65.8399, 0.2277, 0.2982



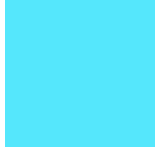
Protanomaly

63.9609, 0.2598, 0.2949



Deuteranomaly

63.6074, 0.2554, 0.2828



Tritanomaly

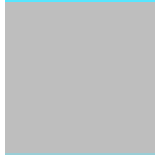
66.1114, 0.2286, 0.3029

Monochromacy



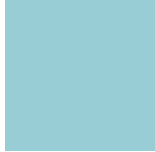
Original Color

65.8399, 0.2277, 0.2982



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

55.2900, 0.2704, 0.3174

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.8399, 0.2277, 0.2982 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, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(87, 230, 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, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 230, 255) }
```

Border

The CSS property to change the border of an element to Yxy 65.8399, 0.2277, 0.2982 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, 230, 255) }
```

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

```
.border{ border-color:rgb(87, 230, 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, 230, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(87, 230,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 65.8399, 0.2277, 0.2982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 230, 255) }
```

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

```
.background{ background-color: rgb(87, 230,  
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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