

Converting Colors

Yxy(66.4593, 0.2315, 0.2827)

Have a look what the booklet for
Yxy(66.4593, 0.2315, 0.2827)
contains.

Yxy(65.8030, 0.2359, 0.2952)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(65.8030, 0.2359, 0.2952)

Conversions

Conversions Part 1

Format	Color
Hex	73E3FF
RGB	115, 227, 255
RGB Percent	45%, 89%, 100%
CMY	0.5491, 0.1098, 0.0001
CMYK	0.55, 0.11, 0.00, 0.00
HSL	192°, 100%, 73%
HSV	192°, 55%, 100%
XYZ	52.5844, 65.8030, 104.5224
YIQ	196.7040, -75.7400, -15.0360

Conversions

Conversions Part 2

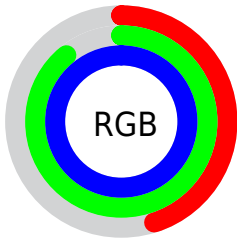
Format	Color
RYB	115, 177, 255
Decimal	7595007
CIELab	84.90, -24.43, -23.34
CIElCh	85, 33.785, 223.686
Yxy	65.8030, 0.2359, 0.2952
Android (android.graphics.Color)	4285785087 (0xFF73E3FF)
YUV	196.7040, 28.7399, -71.6544
Hunter-Lab	81.1190, -26.2479, -19.6122

Details

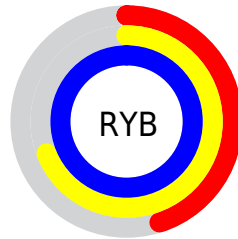
The Yxy color **65.8030, 0.2359, 0.2952** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **42.1257, 0.4598, 0.3577**, and the grayscale version is **55.5029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9701, 0.2681, 0.3289**, and **33.7609, 0.2186, 0.2857** is the 20% darker color. If you saturate the color by 10%, you get **61.5635, 0.2260, 0.2879**, and if you desaturate by 10%, it is **70.6078, 0.2475, 0.3022**.

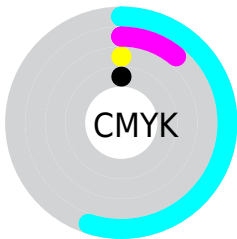
Distribution



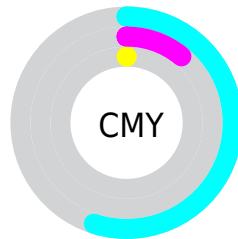
- Red (45%)
- Green (89%)
- Blue (100%)



- Red (45%)
- Yellow (69%)
- Blue (100%)



- Cyan (55%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)




- Cyan (55%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.8030, 0.2359, 0.2952 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 65.8030, 0.2359, 0.2952 by changing the saturation by 10% instead.


 65.8030, 0.2359,
0.2952


 65.8030, 0.2359,
0.2952


445.6720, 0.2709,
0.3120


 48.1125, 0.2281,
0.2911


 113.2035, 0.2479,
0.3012

 33.9160, 0.2186,
0.2860

 143.6824, 0.2526,
0.3035

 22.8291, 0.2068,
0.2794


 179.1928, 0.2567,
0.3054

 14.4673, 0.1918,
0.2705

220.1191, 0.2602,
0.3071

 8.4464, 0.1721,
0.2580

266.8458, 0.2634,
0.3086

 4.3819, 0.1455,
0.2395

319.7573, 0.2661,

 1.8894, 0.1088,

0.3098

0.2103

379.2379, 0.2686,
0.3110

■ 0.5420, 0.0000,
0.1599

■ 0.0000, 0.0000,
0.0000

■ 65.8030, 0.2359,
0.2952

■ 65.8030, 0.2359,
0.2952

■ 61.5635, 0.2260,
0.2879

■ 70.6078, 0.2475,
0.3022

■ 57.8408, 0.2179,
0.2806

■ 76.0070, 0.2606,
0.3090

■ 54.5894, 0.2119,
0.2732

■ 82.0363, 0.2748,
0.3153

■ 51.7505, 0.2078,
0.2659

■ 88.7262, 0.2897,
0.3212

■ 50.4208, 0.2062,
0.2622

■ 96.1048, 0.3051,
0.3265

99.9989, 0.3127,
0.3290

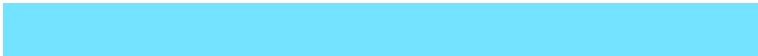
Harmonies

Analogous

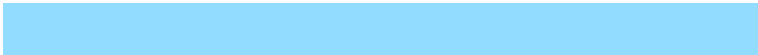
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.8030, 0.2506, 0.3337



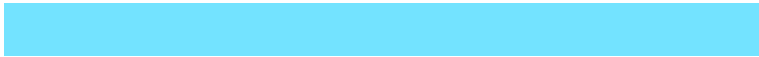
65.8030, 0.2359, 0.2952



65.8030, 0.2399, 0.2697

Triad

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



65.8030, 0.2359, 0.2952



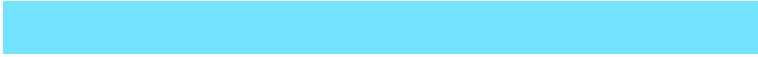
65.8030, 0.3412, 0.2893



65.8030, 0.3624, 0.4032

Complementary

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



65.8030, 0.2359, 0.2952



42.1257, 0.4598, 0.3577

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.



65.8030, 0.3900, 0.3845



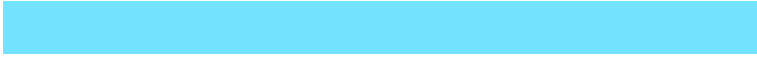
65.8030, 0.2359, 0.2952



65.8030, 0.3780, 0.3197

Square

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



65.8030, 0.2359, 0.2952



65.8030, 0.2983, 0.2683



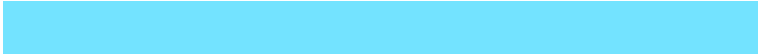
65.8030, 0.3962, 0.3538



65.8030, 0.3226, 0.4005

Rectangle

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



65.8030, 0.2359, 0.2952



65.8030, 0.2527, 0.2620



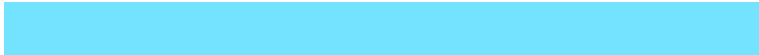
65.8030, 0.3962, 0.3538



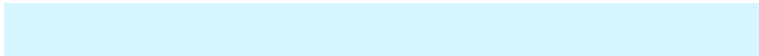
65.8030, 0.3735, 0.3989

Sweetspot

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



65.8055, 0.2359, 0.2952



87.9746, 0.2880, 0.3205



77.0657, 0.2937, 0.4754



18.5268, 0.2849, 0.3194



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

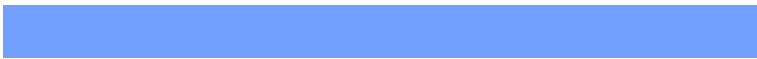
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.8055, 0.2359, 0.2952



61.1409, 0.2250, 0.2871



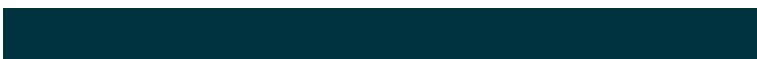
35.7671, 0.2173, 0.2069



19.8285, 0.2980, 0.3241



26.5666, 0.2065, 0.2634



2.7360, 0.2088, 0.2717

Inverse Universe

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



39.0604, 0.3454, 0.2203



33.2682, 0.3541, 0.2041



68.9087, 0.4159, 0.4243



18.2345, 0.3169, 0.3102



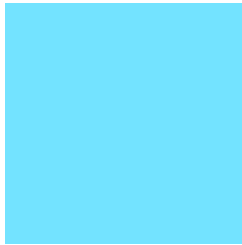
13.4099, 0.3791, 0.1862



1.3207, 0.3712, 0.1818

Previews

White Background



This preview shows how the Yxy color 65.8030, 0.2359, 0.2952 looks on a white background.

Color Contrast Check

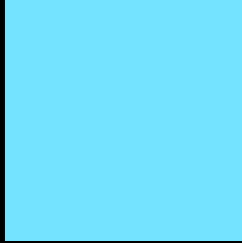
Large Text (above 18pt) WCAG AA × Fail

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 65.8030, 0.2359, 0.2952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

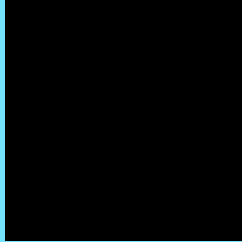
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.8030, 0.2359, 0.2952

Background



This preview shows how black text looks on a background with the Yxy color 65.8030, 0.2359, 0.2952.

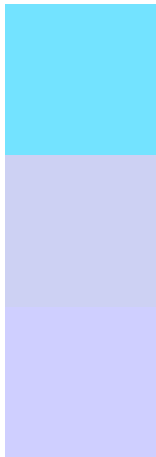


This preview shows how white text looks on a background with the Yxy color 65.8030, 0.2359, 0.2952.

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

65.8030, 0.2359, 0.2952

Protanopia

65.0511, 0.2875, 0.2915

Deuteranopia

65.1110, 0.2814, 0.2772



Tritanopia

65.6469, 0.2384, 0.3056

Trichromacy



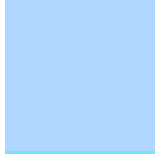
Original Color

65.8030, 0.2359, 0.2952



Protanomaly

64.5978, 0.2648, 0.2932



Deuteranomaly

64.3118, 0.2615, 0.2824



Tritanomaly

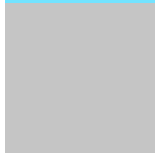
65.8996, 0.2375, 0.3021

Monochromacy



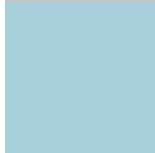
Original Color

65.8030, 0.2359, 0.2952



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

58.3892, 0.2773, 0.3166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.8030, 0.2359, 0.2952 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(115, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(115, 227, 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(115, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 227, 255) }
```

Border

The CSS property to change the border of an element to Yxy 65.8030, 0.2359, 0.2952 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(115, 227, 255) }
```

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

```
.border{ border-color:rgb(115, 227, 255) }
```

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

Here you see how a box with a 4 pixel rgb(115, 227, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(115, 227,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 65.8030, 0.2359, 0.2952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 227, 255) }
```

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

```
.background{ background-color: rgb(115,  
227, 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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