

Converting Colors

$Y_{xy}(65.3701, 0.2196, 0.2721)$

Have a look what the booklet for
Yxy(65.3701, 0.2196, 0.2721)
contains.

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Color

Yxy(64.1844, 0.2268, 0.2944)

Conversions

Conversions Part 1

Format	Color
Hex	57E3FF
RGB	87, 227, 255
RGB Percent	34%, 89%, 100%
CMY	0.6589, 0.1098, 0.0000
CMYK	0.66, 0.11, 0.00, 0.00
HSL	190°, 100%, 67%
HSV	190°, 66%, 100%
XYZ	49.4464, 64.1844, 104.3869
YIQ	188.3320, -92.4280, -20.9720

Conversions

Conversions Part 2

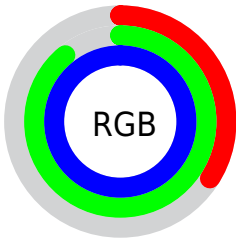
Format	Color
R _Y B	87, 163, 255
Decimal	5759999
CIE Lab	84.06, -29.17, -24.69
CIE LCh	84, 38.214, 220.245
Yxy	64.1844, 0.2268, 0.2944
Android (android.graphics.Color)	4283950079 (0xFF57E3FF)
YUV	188.3320, 32.8673, -88.8682
Hunter-Lab	80.1152, -30.0328, -21.1719

Details

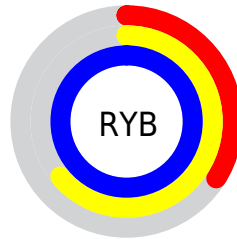
The Yxy color **64.1844, 0.2268, 0.2944** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light muted cyan. A complement of this color would be **34.2000, 0.5097, 0.3551**, and the grayscale version is **50.3338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6100, 0.2579, 0.3288**, and **33.2030, 0.2125, 0.2850** is the 20% darker color. If you saturate the color by 10%, you get **60.8738, 0.2194, 0.2883**, and if you desaturate by 10%, it is **67.9902, 0.2361, 0.3004**.

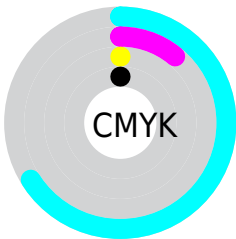
Distribution



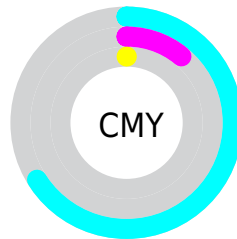
- Red (34%)
- Green (89%)
- Blue (100%)



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



- Cyan (66%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)




- Cyan (66%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.1844, 0.2268, 0.2944 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 64.1844, 0.2268, 0.2944 by changing the saturation by 10% instead.

 64.1844, 0.2268,
0.2944


 64.1844, 0.2268,
0.2944


439.8552, 0.2659,
0.3119

 46.8000, 0.2181,
0.2901


 110.8765, 0.2402,
0.3007


 32.8776, 0.2076,
0.2847


 140.9530, 0.2454,
0.3031

 22.0327, 0.1945,
0.2775


 176.0289, 0.2500,
0.3051

 13.8809, 0.1779,
0.2679

 216.4888, 0.2540,
0.3069

 8.0379, 0.1564,
0.2544

262.7170, 0.2575,
0.3084

 4.1192, 0.1278,
0.2342

315.0979, 0.2606,

 1.7405, 0.0892,

0.3097

0.2022

374.0158, 0.2634,
0.3108

■ 0.4497, 0.0000,
0.1369

■ 0.0000, 0.0000,
0.0000

■ 64.1844, 0.2268,
0.2944

■ 64.1844, 0.2268,
0.2944

■ 60.8738, 0.2194,
0.2883

■ 67.9902, 0.2361,
0.3004

■ 58.0029, 0.2141,
0.2823

■ 72.3256, 0.2472,
0.3062

■ 55.5141, 0.2105,
0.2763

■ 77.2296, 0.2598,
0.3118

■ 54.5667, 0.2094,
0.2739

■ 82.7353, 0.2736,
0.3171

■ 88.8732, 0.2883,
0.3220

■ 95.6714, 0.3036,
0.3265

99.9998, 0.3127,
0.3290

Harmonies

Analogous

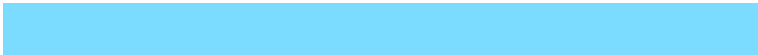
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.1844, 0.2454, 0.3395



64.1844, 0.2268, 0.2944



64.1844, 0.2290, 0.2639

Triad

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



64.1844, 0.2268, 0.2944



64.1844, 0.3394, 0.2808



64.1844, 0.3734, 0.4120

Complementary

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



64.1844, 0.2268, 0.2944



34.2000, 0.5097, 0.3551

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.



64.1844, 0.4027, 0.3878



64.1844, 0.2268, 0.2944



64.1844, 0.3833, 0.3138

Square

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



64.1844, 0.2268, 0.2944



64.1844, 0.2908, 0.2589



64.1844, 0.4070, 0.3519



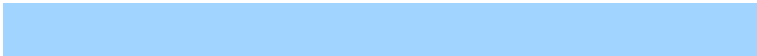
64.1844, 0.3289, 0.4130

Rectangle

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



64.1844, 0.2268, 0.2944



64.1844, 0.2418, 0.2541



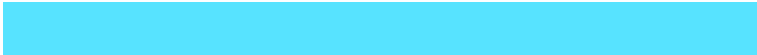
64.1844, 0.4070, 0.3519



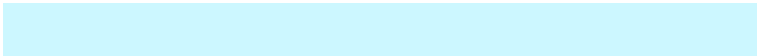
64.1844, 0.3854, 0.4060

Sweetspot

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



64.1868, 0.2268, 0.2944



86.2761, 0.2821, 0.3200



74.7169, 0.2942, 0.5157



18.0994, 0.2780, 0.3186



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.



64.1868, 0.2268, 0.2944



59.9384, 0.2176, 0.2865



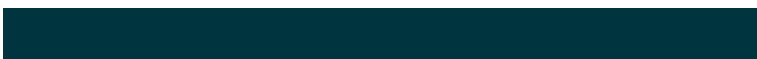
29.7350, 0.2006, 0.1851



19.9359, 0.2980, 0.3249



28.7036, 0.2097, 0.2749



2.9254, 0.2116, 0.2817

Inverse Universe

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



33.6178, 0.3478, 0.1999



29.1007, 0.3564, 0.1864



61.5121, 0.4424, 0.4337



18.2453, 0.3164, 0.3094



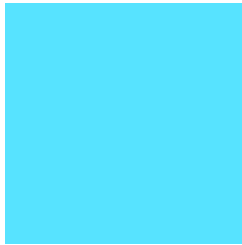
13.6256, 0.3682, 0.1802



1.3399, 0.3619, 0.1767

Previews

White Background



This preview shows how the Yxy color 64.1844, 0.2268, 0.2944 looks on a white background.

Color Contrast Check

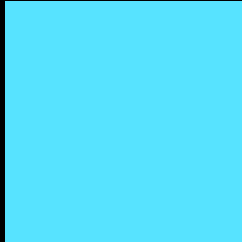
Large Text (above 18pt) WCAG AA × Fail

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 64.1844, 0.2268, 0.2944 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 64.1844, 0.2268, 0.2944

Background



This preview shows how black text looks on a background with the Yxy color 64.1844, 0.2268, 0.2944.

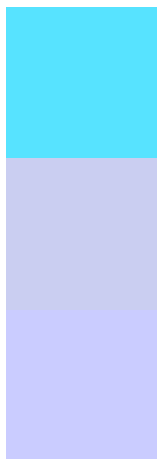


This preview shows how white text looks on a background with the Yxy color 64.1844, 0.2268, 0.2944.

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

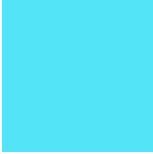
64.1844, 0.2268, 0.2944

Protanopia

63.0500, 0.2865, 0.2899

Deuteranopia

62.9623, 0.2778, 0.2733



Tritanopia

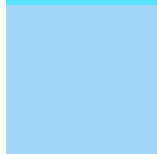
64.0412, 0.2291, 0.3050

Trichromacy



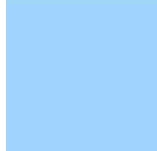
Original Color

64.1844, 0.2268, 0.2944



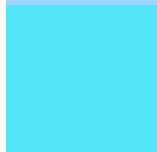
Protanomaly

62.2205, 0.2582, 0.2912



Deuteranomaly

61.7805, 0.2533, 0.2790



Tritanomaly

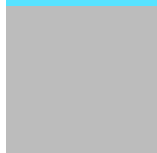
64.2738, 0.2282, 0.3015

Monochromacy



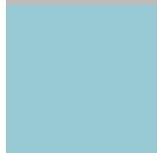
Original Color

64.1844, 0.2268, 0.2944



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

53.5738, 0.2699, 0.3160

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.1844, 0.2268, 0.2944 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, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(87, 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(87, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 227, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.1844, 0.2268, 0.2944 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, 227, 255) }
```

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

```
.border{ border-color:rgb(87, 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(87, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(87, 227,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.1844, 0.2268, 0.2944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 227, 255) }
```

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

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