

Converting Colors

$Y_{xy}(64.8876, 0.2177, 0.2994)$

Have a look what the booklet for
Yxy(64.8876, 0.2177, 0.2994)
contains.

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Color

Yxy(65.1399, 0.2179, 0.3000)

Conversions

Conversions Part 1

Format	Color
Hex	19E8FF
RGB	25, 232, 255
RGB Percent	10%, 91%, 100%
CMY	0.9003, 0.0902, 0.0000
CMYK	0.90, 0.09, 0.00, 0.00
HSL	186°, 100%, 55%
HSV	186°, 90%, 100%
XYZ	47.3133, 65.1399, 104.6798
YIQ	172.7290, -130.7550, -36.7310

Conversions

Conversions Part 2

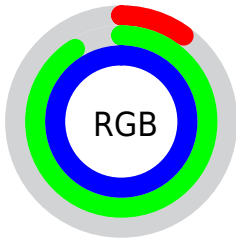
Format	Color
R _Y B	25, 134, 255
Decimal	1698047
CIE Lab	84.56, -37.17, -24.02
CIE LCh	85, 44.253, 212.875
Yxy	65.1399, 0.2179, 0.3000
Android (android.graphics.Color)	4279888127 (0xFF19E8FF)
YUV	172.7290, 40.5596, -129.5583
Hunter-Lab	80.7093, -36.6013, -20.4025

Details

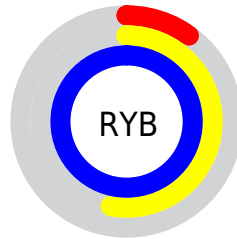
The Yxy color **65.1399, 0.2179, 0.3000** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **23.4782, 0.6140, 0.3393**, and the grayscale version is **41.5479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8776, 0.2453, 0.3288**, and **35.1279, 0.2149, 0.2935** is the 20% darker color. If you saturate the color by 10%, you get **63.5075, 0.2157, 0.2966**, and if you desaturate by 10%, it is **67.0803, 0.2216, 0.3035**.

Distribution



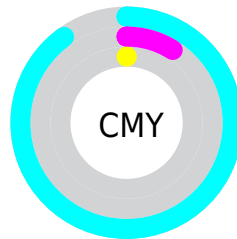
- Red (10%)
- Green (91%)
- Blue (100%)



- Red (10%)
- Yellow (53%)
- Blue (100%)



- Cyan (90%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)





- Cyan (90%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.1399, 0.2179, 0.3000 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 65.1399, 0.2179, 0.3000 by changing the saturation by 10% instead.

 65.1399, 0.2179,
0.3000

 65.1399, 0.2179,
0.3000


443.2945, 0.2607,
0.3152


 47.5745, 0.2085,
0.2962

 112.2510, 0.2325,
0.3056

 33.4901, 0.1971,
0.2912


 142.5655, 0.2382,
0.3077

 22.5021, 0.1830,
0.2847

 177.8984, 0.2432,
0.3094

 14.2263, 0.1653,
0.2758

 218.6343, 0.2476,
0.3109

 8.2782, 0.1426,
0.2630

265.1574, 0.2515,
0.3122

 4.2735, 0.1130,
0.2436

317.8523, 0.2549,

 1.8277, 0.0726,

0.3133

0.2127

377.1032, 0.2580,
0.3143

■ 0.5044, 0.0000,
0.1498

■ 0.0000, 0.0000,
0.0000

■ 65.1399, 0.2179,
0.3000

■ 65.1399, 0.2179,
0.3000

■ 63.5075, 0.2157,
0.2966

■ 67.0803, 0.2216,
0.3035

■ 69.4016, 0.2273,
0.3070

■ 72.1583, 0.2349,
0.3105

■ 75.3940, 0.2444,
0.3140

■ 79.1469, 0.2556,
0.3173

■ 83.4511, 0.2683,
0.3205

■ 88.3377, 0.2823,
0.3236

■ 93.8356, 0.2972,
0.3264

■ 99.9715, 0.3127,
0.3290

Harmonies

Analogous

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



65.1399, 0.2441, 0.3547



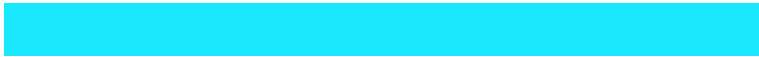
65.1399, 0.2179, 0.3000



65.1399, 0.2148, 0.2607

Triad

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



65.1399, 0.2179, 0.3000



65.1399, 0.3291, 0.2668



65.1399, 0.3922, 0.4191

Complementary

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



65.1399, 0.2179, 0.3000



23.4782, 0.6140, 0.3393

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.



65.1399, 0.4203, 0.3858



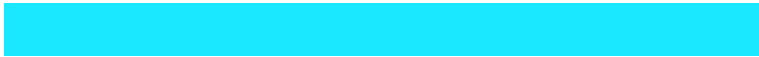
65.1399, 0.2179, 0.3000



65.1399, 0.3832, 0.3013

Square

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



65.1399, 0.2179, 0.3000



65.1399, 0.2747, 0.2459



65.1399, 0.4177, 0.3433



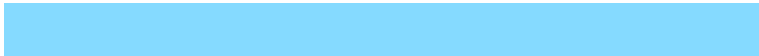
65.1399, 0.3439, 0.4294

Rectangle

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



65.1399, 0.2179, 0.3000



65.1399, 0.2254, 0.2464



65.1399, 0.4177, 0.3433



65.1399, 0.4045, 0.4098

Sweetspot

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



65.1423, 0.2179, 0.3000



84.8762, 0.2725, 0.3215



71.9437, 0.2974, 0.5828



17.8258, 0.2678, 0.3204



0.0000, 0.0000, 0.0000



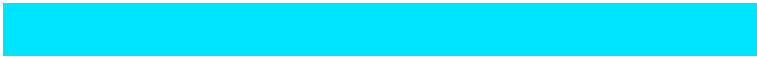
21.4041, 0.3127, 0.3290

Same Dimension

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



65.1423, 0.2179, 0.3000



63.5117, 0.2157, 0.2966



20.2112, 0.1747, 0.1421



20.1521, 0.2980, 0.3265



33.3129, 0.2159, 0.2972



3.3297, 0.2170, 0.3011

Inverse Universe

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



27.7976, 0.3452, 0.1708



26.9427, 0.3484, 0.1693



47.5821, 0.4987, 0.4350



18.2672, 0.3153, 0.3079



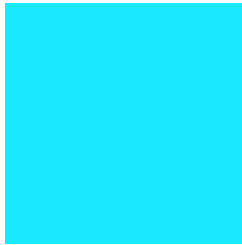
14.0909, 0.3479, 0.1690



1.3807, 0.3445, 0.1671

Previews

White Background



This preview shows how the Yxy color 65.1399, 0.2179, 0.3000 looks on a white background.

Color Contrast Check

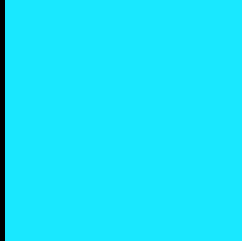
Large Text (above 18pt) WCAG AA × Fail

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 65.1399, 0.2179, 0.3000 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 65.1399, 0.2179, 0.3000

Background



This preview shows how black text looks on a background with the Yxy color 65.1399, 0.2179, 0.3000.

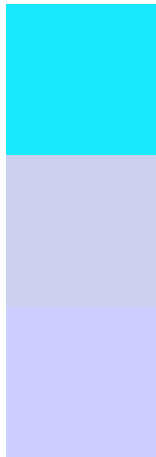


This preview shows how white text looks on a background with the Yxy color 65.1399, 0.2179, 0.3000.

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

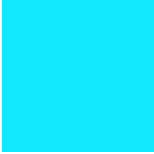
65.1399, 0.2179, 0.3000

Protanopia

64.1811, 0.2892, 0.2945

Deuteranopia

64.2000, 0.2793, 0.2758



Tritanopia

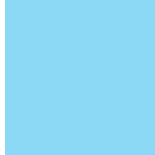
65.3444, 0.2190, 0.3061

Trichromacy



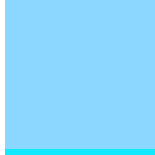
Original Color

65.1399, 0.2179, 0.3000



Protanomaly

61.7072, 0.2483, 0.2950



Deuteranomaly

61.3098, 0.2432, 0.2813



Tritanomaly

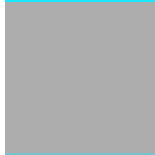
65.4445, 0.2188, 0.3049

Monochromacy



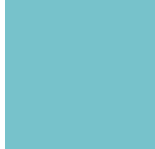
Original Color

65.1399, 0.2179, 0.3000



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

46.8173, 0.2545, 0.3162

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.1399, 0.2179, 0.3000 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(25, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(25, 232, 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(25, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 232, 255) }
```

Border

The CSS property to change the border of an element to Yxy 65.1399, 0.2179, 0.3000 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(25, 232, 255) }
```

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

```
.border{ border-color:rgb(25, 232, 255) }
```

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

Here you see how a box with a 4 pixel rgb(25, 232, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(25, 232,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 65.1399, 0.2179, 0.3000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 232, 255) }
```

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

```
.background{ background-color: rgb(25, 232,  
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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