

Converting Colors

$Yxy(35.3618, 0.1971, 0.2150)$

Have a look what the booklet for
Yxy(35.3618, 0.1971, 0.2150)
contains.

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Color

Yxy(35.5058, 0.1974, 0.2160)

Conversions

Conversions Part 1

Format	Color
Hex	2CA8FB
RGB	44, 168, 251
RGB Percent	17%, 66%, 98%
CMY	0.8283, 0.3411, 0.0156
CMYK	0.83, 0.33, 0.00, 0.02
HSL	204°, 96%, 58%
HSV	204°, 83%, 98%
XYZ	32.4484, 35.5058, 96.4245
YIQ	140.3860, -100.5470, -0.4750

Conversions

Conversions Part 2

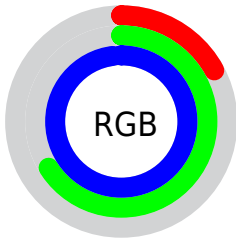
Format	Color
R_{YB}	44, 122, 251
Decimal	2926843
CIE _{Lab}	66.14, -4.60, -50.44
CIE _{LCh}	66, 50.649, 264.787
Yxy	35.5058, 0.1974, 0.2160
Android (android.graphics.Color)	4281116923 (0xFF2CA8FB)
YUV	140.3860, 54.5327, -84.5305
Hunter-Lab	59.5867, -7.0734, -54.2336

Details

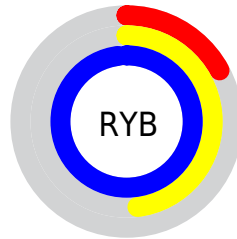
The Yxy color **35.5058, 0.1974, 0.2160** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **35.8150, 0.5290, 0.3963**, and the grayscale version is **26.1730, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2063, 0.2380, 0.2905**, and **16.3858, 0.1864, 0.1911** is the 20% darker color. If you saturate the color by 10%, you get **31.5413, 0.1901, 0.2006**, and if you desaturate by 10%, it is **40.0945, 0.2069, 0.2317**.

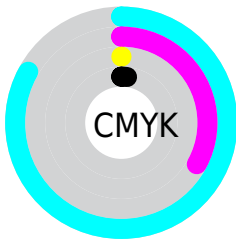
Distribution



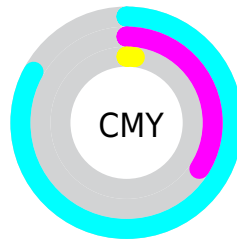
- Red (17%)
- Green (66%)
- Blue (98%)



- Red (17%)
- Yellow (48%)
- Blue (98%)



- Cyan (83%)
- Magenta (33%)
- Yellow (0%)
- Black (2%)




- Cyan (83%)
- Magenta (34%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.5058, 0.1974, 0.2160 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 35.5058, 0.1974, 0.2160 by changing the saturation by 10% instead.

 35.5058, 0.1974,
0.2160


 35.5058, 0.1974,
0.2160


326.7953, 0.2537,
0.2720

 24.0528, 0.1843,
0.2028


 68.2686, 0.2173,
0.2359


 15.3728, 0.1681,
0.1863


 90.3471, 0.2249,
0.2435

 9.0814, 0.1480,
0.1657


 116.7363, 0.2315,
0.2500

 4.7943, 0.1227,
0.1394

 147.8205, 0.2371,
0.2557

 2.1271, 0.0909,
0.1058

 183.9841, 0.2421,
0.2605

 0.6798, 0.0500,
0.0636

225.6115, 0.2464,

 0.0000, 0.0000,

0.2648

0.0000

273.0871, 0.2503,
0.2686

■ 35.5058, 0.1974,
0.2160

■ 35.5058, 0.1974,
0.2160

■ 31.5413, 0.1901,
0.2006

■ 40.0945, 0.2069,
0.2317

■ 28.9326, 0.1860,
0.1895

■ 45.3630, 0.2184,
0.2474

■ 51.3621, 0.2316,
0.2628

■ 58.1353, 0.2461,
0.2775

■ 65.7222, 0.2615,
0.2914

■ 74.1588, 0.2773,
0.3042

■ 83.4787, 0.2931,
0.3159

■ 93.7132, 0.3088,
0.3265

■ 99.7462, 0.3150,
0.3328

Harmonies

Analogous

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



35.5058, 0.1798, 0.2449



35.5058, 0.1974, 0.2160



35.5058, 0.2428, 0.2145

Triad

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



35.5058, 0.1974, 0.2160



35.5058, 0.4510, 0.3290



35.5058, 0.2977, 0.4547

Complementary

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



35.5058, 0.1974, 0.2160



35.8150, 0.5290, 0.3963

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.



35.5058, 0.3716, 0.4706



35.5058, 0.1974, 0.2160



35.5058, 0.4652, 0.3858

Square

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



35.5058, 0.1974, 0.2160



35.5058, 0.3920, 0.2766



35.5058, 0.4336, 0.4389



35.5058, 0.2318, 0.3868

Rectangle

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



35.5058, 0.1974, 0.2160



35.5058, 0.2872, 0.2266



35.5058, 0.4336, 0.4389



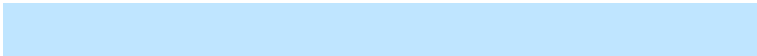
35.5058, 0.3224, 0.4665

Sweetspot

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



35.5069, 0.1974, 0.2160



74.6261, 0.2734, 0.3011



71.0603, 0.2770, 0.5004



15.3097, 0.2678, 0.2967



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.



35.5069, 0.1974, 0.2160



30.3109, 0.1865, 0.1908



11.2201, 0.1639, 0.0906



18.3739, 0.2980, 0.3193



15.4985, 0.1867, 0.1920



1.6429, 0.1917, 0.2100

Inverse Universe

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



25.1250, 0.4254, 0.2238



23.6447, 0.4557, 0.2288



77.4505, 0.4295, 0.4848



17.4000, 0.3200, 0.3149



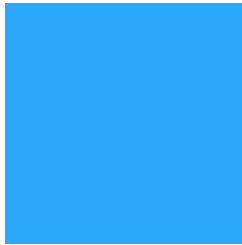
11.9755, 0.4545, 0.2277



1.1301, 0.4341, 0.2165

Previews

White Background



This preview shows how the Yxy color 35.5058, 0.1974, 0.2160 looks on a white background.

Color Contrast Check

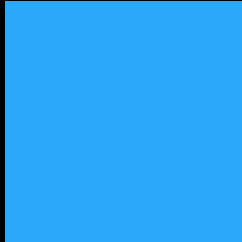
Large Text (above 18pt) WCAG AA × Fail

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 35.5058, 0.1974, 0.2160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

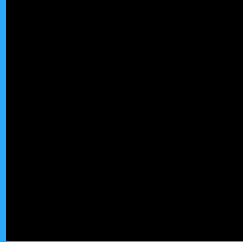
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

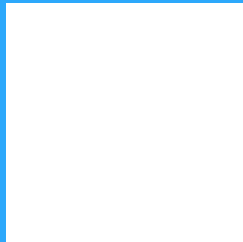
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.5058, 0.1974, 0.2160

Background



This preview shows how black text looks on a background with the Yxy color 35.5058, 0.1974, 0.2160.



This preview shows how white text looks on a background with the Yxy color 35.5058, 0.1974, 0.2160.

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

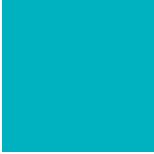
35.5058, 0.1974, 0.2160

Protanopia

35.2106, 0.2315, 0.2195

Deuteranopia

35.3593, 0.2145, 0.2085



Tritanopia

35.2059, 0.2183, 0.3059

Trichromacy



Original Color

35.5058, 0.1974, 0.2160

Protanomaly

34.7350, 0.2143, 0.2166

Deuteranomaly

35.1075, 0.2062, 0.2109

Tritanomaly

35.1864, 0.2091, 0.2689

Monochromacy



Original Color

35.5058, 0.1974, 0.2160

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

28.1112, 0.2488, 0.2801

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5058, 0.1974, 0.2160 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(44, 168, 251)` looks like.

```
.text, #text, p{  
    color:rgb(44, 168, 251)  
}
```

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(44, 168, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 168, 251) }
```

Border

The CSS property to change the border of an element to Yxy 35.5058, 0.1974, 0.2160 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(44, 168, 251) }
```

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

```
.border{ border-color:rgb(44, 168, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 168, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 168, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 168, 251);  
box-shadow:4px 4px 4px 4px rgb(44, 168,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5058, 0.1974, 0.2160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 168, 251) }
```

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

```
.background{ background-color: rgb(44, 168,  
251) }
```

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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