

Converting Colors

$Y_{xy}(35.2194, 0.1939, 0.2104)$

Have a look what the booklet for
Yxy(35.2194, 0.1939, 0.2104)
contains.

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Color

Yxy(35.1335, 0.1938, 0.2101)

Conversions

Conversions Part 1

Format	Color
Hex	1EA7FF
RGB	30, 167, 255
RGB Percent	12%, 65%, 100%
CMY	0.8816, 0.3451, 0.0000
CMYK	0.88, 0.35, 0.00, 0.00
HSL	203°, 100%, 56%
HSV	203°, 88%, 100%
XYZ	32.4078, 35.1335, 99.6815
YIQ	136.0690, -109.9000, -1.6760

Conversions

Conversions Part 2

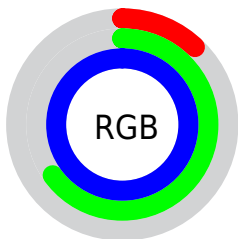
Format	Color
R _Y B	30, 115, 255
Decimal	2009087
CIE Lab	65.85, -3.51, -53.07
CIE LCh	66, 53.190, 266.221
Yxy	35.1335, 0.1938, 0.2101
Android (android.graphics.Color)	4280199167 (0xFF1EA7FF)
YUV	136.0690, 58.6330, -93.0225
Hunter-Lab	59.2735, -6.1339, -58.2177

Details

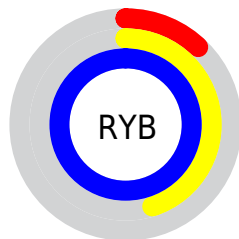
The Yxy color **35.1335, 0.1938, 0.2101** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **34.3590, 0.5472, 0.3919**, and the grayscale version is **24.4769, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.3845, 0.2361, 0.2891**, and **16.5680, 0.1852, 0.1867** is the 20% darker color. If you saturate the color by 10%, you get **31.3684, 0.1878, 0.1953**, and if you desaturate by 10%, it is **39.4874, 0.2019, 0.2253**.

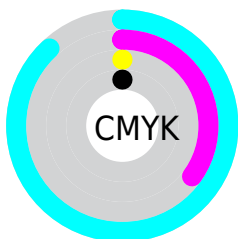
Distribution



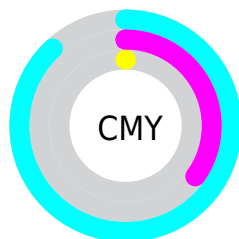
- Red (12%)
- Green (65%)
- Blue (100%)



- Red (12%)
- Yellow (45%)
- Blue (100%)



- Cyan (88%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)





- Cyan (88%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.1335, 0.1938, 0.2101 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 35.1335, 0.1938, 0.2101 by changing the saturation by 10% instead.

 35.1335, 0.1938,
0.2101


 35.1335, 0.1938,
0.2101


325.1572, 0.2518,
0.2687

 23.7657, 0.1804,
0.1964

 67.6925, 0.2142,
0.2308

 15.1599, 0.1640,
0.1795


 89.6526, 0.2220,
0.2388


 8.9317, 0.1436,
0.1584


 115.9122, 0.2288,
0.2456

 4.6967, 0.1181,
0.1318

 146.8557, 0.2346,
0.2515

 2.0704, 0.0866,
0.0984

 182.8676, 0.2397,
0.2566

 0.6479, 0.0467,
0.0571

224.3322, 0.2442,

 0.0000, 0.0000,

0.2611

0.0000

271.6339, 0.2482,
0.2651

■ 35.1335, 0.1938,
0.2101

■ 35.1335, 0.1938,
0.2101

■ 31.3684, 0.1878,
0.1953

■ 39.4874, 0.2019,
0.2253

■ 30.7206, 0.1869,
0.1926

■ 44.5017, 0.2122,
0.2407

■ 50.2335, 0.2244,
0.2560

■ 56.7308, 0.2381,
0.2707

■ 64.0365, 0.2529,
0.2848

■ 72.1896, 0.2685,
0.2979

■ 81.2259, 0.2843,
0.3099

■ 91.1789, 0.3001,
0.3209

■ 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.



35.1335, 0.1742, 0.2383



35.1335, 0.1938, 0.2101



35.1335, 0.2422, 0.2100

Triad

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



35.1335, 0.1938, 0.2101



35.1335, 0.4603, 0.3310



35.1335, 0.2926, 0.4600

Complementary

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



35.1335, 0.1938, 0.2101



34.3590, 0.5472, 0.3919

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.



35.1335, 0.3701, 0.4788



35.1335, 0.1938, 0.2101



35.1335, 0.4722, 0.3902

Square

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



35.1335, 0.1938, 0.2101



35.1335, 0.3999, 0.2763



35.1335, 0.4364, 0.4457



35.1335, 0.2248, 0.3857

Rectangle

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



35.1335, 0.1938, 0.2101



35.1335, 0.2894, 0.2233



35.1335, 0.4364, 0.4457



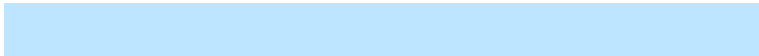
35.1335, 0.3184, 0.4734

Sweetspot

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



35.1345, 0.1938, 0.2101



74.0641, 0.2719, 0.3005



73.0686, 0.2796, 0.5175



15.2132, 0.2664, 0.2962



0.0000, 0.0000, 0.0000



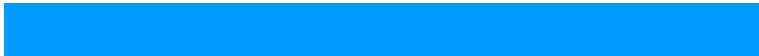
21.4041, 0.3127, 0.3290

Same Dimension

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



35.1345, 0.1938, 0.2101



30.7206, 0.1869, 0.1926



10.3685, 0.1590, 0.0823



19.2176, 0.2979, 0.3195



16.3513, 0.1875, 0.1950



1.8048, 0.1922, 0.2119

Inverse Universe

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



24.9883, 0.4328, 0.2221



23.6324, 0.4537, 0.2273



77.2677, 0.4361, 0.4854



18.1728, 0.3198, 0.3146



12.3786, 0.4509, 0.2258



1.2267, 0.4320, 0.2154

Previews

White Background



This preview shows how the Yxy color 35.1335, 0.1938, 0.2101 looks on a white background.

Color Contrast Check

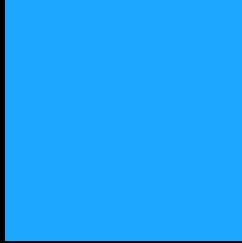
Large Text (above 18pt) WCAG AA × Fail

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 35.1335, 0.1938, 0.2101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

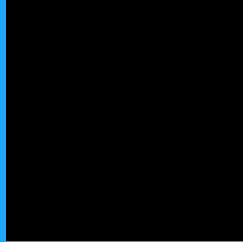
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

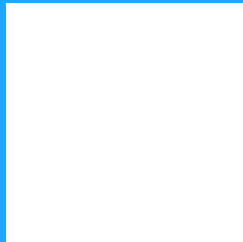
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.1335, 0.1938, 0.2101

Background



This preview shows how black text looks on a background with the Yxy color 35.1335, 0.1938, 0.2101.



This preview shows how white text looks on a background with the Yxy color 35.1335, 0.1938, 0.2101.

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

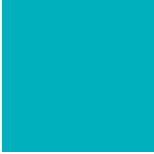
35.1335, 0.1938, 0.2101

Protanopia

34.8051, 0.2269, 0.2136

Deuteranopia

34.8411, 0.2111, 0.2047



Tritanopia

35.1184, 0.2192, 0.3090

Trichromacy



Original Color

35.1335, 0.1938, 0.2101

Protanomaly

34.2053, 0.2090, 0.2103

Deuteranomaly

34.5972, 0.2020, 0.2059

Tritanomaly

34.7624, 0.2083, 0.2672

Monochromacy



Original Color

35.1335, 0.1938, 0.2101

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

26.7188, 0.2437, 0.2758

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1335, 0.1938, 0.2101 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(30, 167, 255)` looks like.

```
.text, #text, p{  
  color:rgb(30, 167, 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(30, 167, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 167, 255) }
```

Border

The CSS property to change the border of an element to Yxy 35.1335, 0.1938, 0.2101 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(30, 167, 255) }
```

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

```
.border{ border-color:rgb(30, 167, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 167, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 167, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 167, 255);  
box-shadow:4px 4px 4px 4px rgb(30, 167,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1335, 0.1938, 0.2101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 167, 255) }
```

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

```
.background{ background-color: rgb(30, 167,  
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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