

Converting Colors

$Y_{xy}(35.1846, 0.1945, 0.2101)$

Have a look what the booklet for
Yxy(35.1846, 0.1945, 0.2101)
contains.

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Color

Yxy(35.2325, 0.1946, 0.2103)

Conversions

Conversions Part 1

Format	Color
Hex	24A7FF
RGB	36, 167, 255
RGB Percent	14%, 65%, 100%
CMY	0.8580, 0.3451, 0.0000
CMYK	0.86, 0.35, 0.00, 0.00
HSL	204°, 100%, 57%
HSV	204°, 86%, 100%
XYZ	32.6022, 35.2325, 99.6998
YIQ	137.8630, -106.3240, -0.4040

Conversions

Conversions Part 2

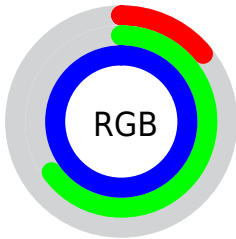
Format	Color
R _Y B	36, 118, 255
Decimal	2402303
CIE Lab	65.93, -3.14, -52.95
CIE LCh	66, 53.047, 266.607
Yxy	35.2325, 0.1946, 0.2103
Android (android.graphics.Color)	4280592383 (0xFF24A7FF)
YUV	137.8630, 57.7485, -89.3339
Hunter-Lab	59.3570, -5.8324, -58.0374

Details

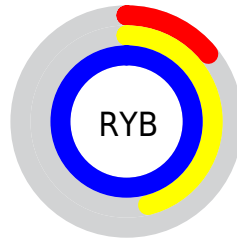
The Yxy color **35.2325, 0.1946, 0.2103** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **35.8559, 0.5381, 0.3954**, and the grayscale version is **25.1888, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.5275, 0.2369, 0.2891**, and **16.5680, 0.1852, 0.1867** is the 20% darker color. If you saturate the color by 10%, you get **31.3132, 0.1881, 0.1950**, and if you desaturate by 10%, it is **39.7767, 0.2034, 0.2260**.

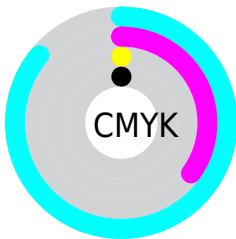
Distribution



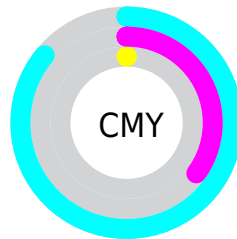
- Red (14%)
- Green (65%)
- Blue (100%)



- Red (14%)
- Yellow (46%)
- Blue (100%)



- Cyan (86%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)





- Cyan (86%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.2325, 0.1946, 0.2103 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 35.2325, 0.1946, 0.2103 by changing the saturation by 10% instead.


 35.2325, 0.1946,
0.2103


 35.2325, 0.1946,
0.2103


 325.5934, 0.2522,
0.2687


 23.8420, 0.1813,
0.1966


 67.8458, 0.2149,
0.2310


 15.2165, 0.1649,
0.1798


 89.8374, 0.2227,
0.2389


 8.9715, 0.1446,
0.1587


 116.1315, 0.2294,
0.2457

 4.7226, 0.1192,
0.1322

 147.1125, 0.2352,
0.2516

 2.0854, 0.0877,
0.0989

 183.1648, 0.2402,
0.2567

 0.6564, 0.0481,
0.0577

 224.6728, 0.2447,

 0.0000, 0.0000,

0.2612

0.0000

272.0209, 0.2487,
0.2652

■ 35.2325, 0.1946,
0.2103

■ 35.2325, 0.1946,
0.2103

■ 31.3132, 0.1881,
0.1950

■ 39.7767, 0.2034,
0.2260

■ 29.8167, 0.1858,
0.1887

■ 45.0110, 0.2143,
0.2419

■ 50.9901, 0.2270,
0.2575

■ 57.7611, 0.2412,
0.2725

■ 65.3663, 0.2564,
0.2868

■ 73.8444, 0.2721,
0.3000

■ 83.2312, 0.2880,
0.3121

■ 93.5599, 0.3037,
0.3231

■ 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.



35.2325, 0.1746, 0.2380



35.2325, 0.1946, 0.2103



35.2325, 0.2432, 0.2105

Triad

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



35.2325, 0.1946, 0.2103



35.2325, 0.4603, 0.3318



35.2325, 0.2917, 0.4588

Complementary

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



35.2325, 0.1946, 0.2103



35.8559, 0.5381, 0.3954

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.



35.2325, 0.3690, 0.4784



35.2325, 0.1946, 0.2103



35.2325, 0.4715, 0.3909

Square

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



35.2325, 0.1946, 0.2103



35.2325, 0.4006, 0.2771



35.2325, 0.4353, 0.4460



35.2325, 0.2244, 0.3844

Rectangle

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



35.2325, 0.1946, 0.2103



35.2325, 0.2905, 0.2240



35.2325, 0.4353, 0.4460



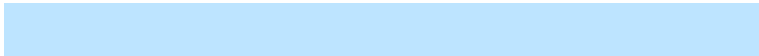
35.2325, 0.3174, 0.4724

Sweetspot

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



35.2328, 0.1946, 0.2103



73.6702, 0.2718, 0.2997



73.3468, 0.2776, 0.5077



15.1195, 0.2663, 0.2953



0.0000, 0.0000, 0.0000



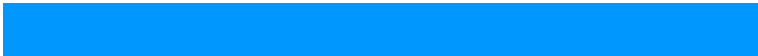
21.4041, 0.3127, 0.3290

Same Dimension

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



35.2328, 0.1946, 0.2103



29.8167, 0.1858, 0.1887



10.6327, 0.1605, 0.0840



19.1838, 0.2979, 0.3192



15.8803, 0.1865, 0.1912



1.7605, 0.1913, 0.2085

Inverse Universe

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



25.3235, 0.4321, 0.2240



23.5412, 0.4582, 0.2298



79.7343, 0.4318, 0.4867



18.1694, 0.3200, 0.3149



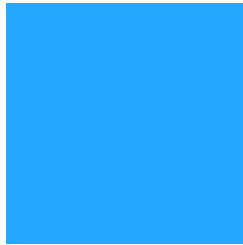
12.3311, 0.4553, 0.2282



1.2223, 0.4358, 0.2174

Previews

White Background



This preview shows how the Yxy color 35.2325, 0.1946, 0.2103 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 35.2325, 0.1946, 0.2103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

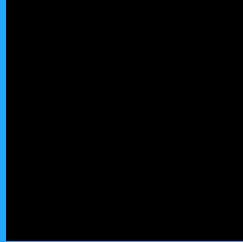
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

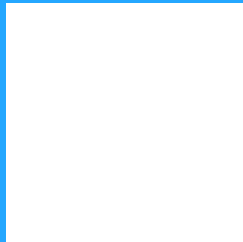
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.2325, 0.1946, 0.2103

Background



This preview shows how black text looks on a background with the Yxy color 35.2325, 0.1946, 0.2103.

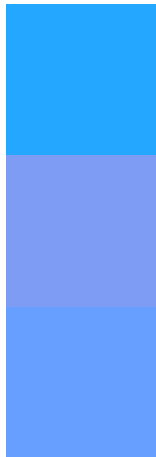


This preview shows how white text looks on a background with the Yxy color 35.2325, 0.1946, 0.2103.

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

35.2325, 0.1946, 0.2103

Protanopia

34.8815, 0.2275, 0.2138

Deuteranopia

34.8411, 0.2111, 0.2047



Tritanopia

35.1620, 0.2187, 0.3075

Trichromacy



Original Color

35.2325, 0.1946, 0.2103

Protanomaly

34.3608, 0.2102, 0.2107

Deuteranomaly

34.6804, 0.2027, 0.2061

Tritanomaly

34.8277, 0.2080, 0.2659

Monochromacy



Original Color

35.2325, 0.1946, 0.2103

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

27.5978, 0.2450, 0.2765

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2325, 0.1946, 0.2103 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(36, 167, 255)` looks like.

```
.text, #text, p{  
    color:rgb(36, 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(36, 167, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 167, 255) }
```

Border

The CSS property to change the border of an element to Yxy 35.2325, 0.1946, 0.2103 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(36, 167, 255) }
```

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

```
.border{ border-color:rgb(36, 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(36, 167, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 167, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 167, 255);  
box-shadow:4px 4px 4px 4px rgb(36, 167,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 35.2325, 0.1946, 0.2103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 167, 255) }
```

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

```
.background{ background-color: rgb(36, 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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