

Converting Colors

$Y_{xy}(34.9532, 0.1966, 0.2087)$

Have a look what the booklet for
Yxy(34.9532, 0.1966, 0.2087)
contains.

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Color

Yxy(34.8341, 0.1965, 0.2082)

Conversions

Conversions Part 1

Format	Color
Hex	33A5FF
RGB	51, 165, 255
RGB Percent	20%, 65%, 100%
CMY	0.7993, 0.3530, 0.0000
CMYK	0.80, 0.35, 0.00, 0.00
HSL	206°, 100%, 60%
HSV	206°, 80%, 100%
XYZ	32.8766, 34.8341, 99.6001
YIQ	141.1740, -96.8340, 3.8220

Conversions

Conversions Part 2

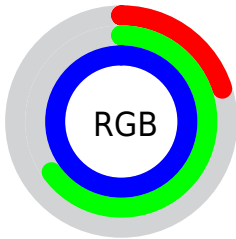
Format	Color
R _Y B	51, 124, 255
Decimal	3384831
CIE Lab	65.62, -0.82, -53.42
CIE LCh	66, 53.430, 269.116
Yxy	34.8341, 0.1965, 0.2082
Android (android.graphics.Color)	4281574911 (0xFF33A5FF)
YUV	141.1740, 56.1162, -79.0826
Hunter-Lab	59.0204, -3.8546, -58.7407

Details

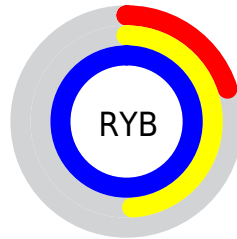
The Yxy color **34.8341, 0.1965, 0.2082** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **40.6057, 0.5125, 0.4049**, and the grayscale version is **26.5315, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.9956, 0.2393, 0.2869**, and **16.1118, 0.1842, 0.1831** is the 20% darker color. If you saturate the color by 10%, you get **30.4572, 0.1881, 0.1911**, and if you desaturate by 10%, it is **39.9336, 0.2071, 0.2256**.

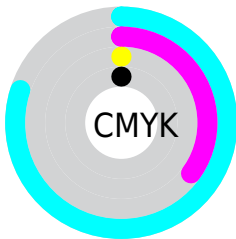
Distribution



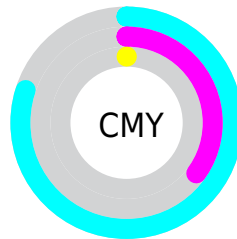
- Red (20%)
- Green (65%)
- Blue (100%)



- Red (20%)
- Yellow (49%)
- Blue (100%)



- Cyan (80%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)




- Cyan (80%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.8341, 0.1965, 0.2082 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 34.8341, 0.1965, 0.2082 by changing the saturation by 10% instead.


 34.8341, 0.1965,
0.2082


 34.8341, 0.1965,
0.2082


323.8355, 0.2534,
0.2675

 23.5351, 0.1833,
0.1944


 67.2287, 0.2165,
0.2291


 14.9891, 0.1670,
0.1774


 89.0931, 0.2243,
0.2372

 8.8118, 0.1468,
0.1562


 115.2480, 0.2309,
0.2441

 4.6186, 0.1215,
0.1296

 146.0780, 0.2366,
0.2500

 2.0253, 0.0899,
0.0963

181.9673, 0.2416,
0.2552

 0.6221, 0.0503,
0.0548

223.3004, 0.2460,

 0.0000, 0.0000,

0.2598

0.0000

270.4616, 0.2499,
0.2639

■ 34.8341, 0.1965,
0.2082

■ 34.8341, 0.1965,
0.2082

■ 30.4572, 0.1881,
0.1911

■ 39.9336, 0.2071,
0.2256

■ 26.7066, 0.1819,
0.1748

■ 45.8134, 0.2198,
0.2430

■ 26.6821, 0.1819,
0.1747

■ 52.5267, 0.2340,
0.2600

■ 60.1196, 0.2493,
0.2761

■ 68.6343, 0.2652,
0.2912

■ 78.1094, 0.2813,
0.3051

■ 88.5812, 0.2973,
0.3177

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.



34.8341, 0.1740, 0.2335



34.8341, 0.1965, 0.2082



34.8341, 0.2479, 0.2106

Triad

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



34.8341, 0.1965, 0.2082



34.8341, 0.4649, 0.3366



34.8341, 0.2850, 0.4559

Complementary

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



34.8341, 0.1965, 0.2082



40.6057, 0.5125, 0.4049

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.



34.8341, 0.3630, 0.4808



34.8341, 0.1965, 0.2082



34.8341, 0.4717, 0.3962

Square

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



34.8341, 0.1965, 0.2082



34.8341, 0.4079, 0.2808



34.8341, 0.4317, 0.4510



34.8341, 0.2189, 0.3774

Rectangle

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



34.8341, 0.1965, 0.2082



34.8341, 0.2969, 0.2254



34.8341, 0.4317, 0.4510



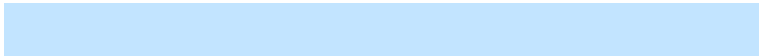
34.8341, 0.3108, 0.4714

Sweetspot

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



34.8350, 0.1965, 0.2082



74.1351, 0.2747, 0.2996



74.1072, 0.2740, 0.4855



15.1518, 0.2690, 0.2946



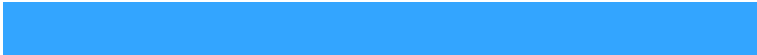
0.0000, 0.0000, 0.0000



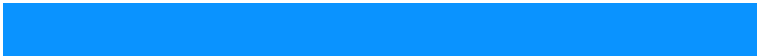
21.4041, 0.3127, 0.3290

Same Dimension

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



34.8350, 0.1965, 0.2082



28.1202, 0.1842, 0.1811



11.6822, 0.1655, 0.0908



19.0603, 0.2979, 0.3182



14.2447, 0.1826, 0.1773



1.6048, 0.1878, 0.1961

Inverse Universe

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



26.3594, 0.4330, 0.2319



23.5847, 0.4668, 0.2362



84.6553, 0.4227, 0.4874



18.1569, 0.3206, 0.3158



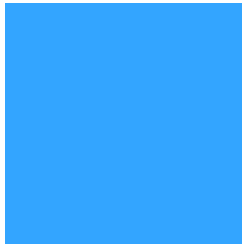
12.1660, 0.4717, 0.2372



1.2066, 0.4497, 0.2251

Previews

White Background



This preview shows how the Yxy color 34.8341, 0.1965, 0.2082 looks on a white background.

Color Contrast Check

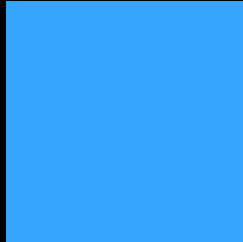
Large Text (above 18pt) WCAG AA × Fail

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 34.8341, 0.1965, 0.2082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

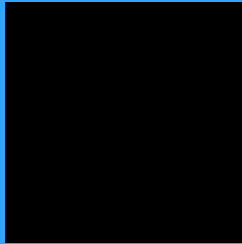
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

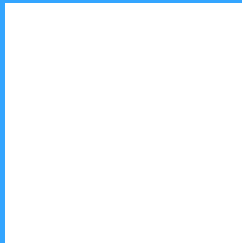
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.8341, 0.1965, 0.2082

Background



This preview shows how black text looks on a background with the Yxy color 34.8341, 0.1965, 0.2082.



This preview shows how white text looks on a background with the Yxy color 34.8341, 0.1965, 0.2082.

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

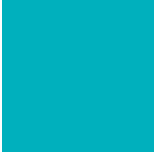
34.8341, 0.1965, 0.2082

Protanopia

34.4565, 0.2256, 0.2112

Deuteranopia

34.7256, 0.2102, 0.2044



Tritanopia

34.7248, 0.2187, 0.3074

Trichromacy



Original Color

34.8341, 0.1965, 0.2082

Protanomaly

34.2325, 0.2116, 0.2098

Deuteranomaly

34.5036, 0.2037, 0.2051

Tritanomaly

34.4476, 0.2085, 0.2657

Monochromacy



Original Color

34.8341, 0.1965, 0.2082

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

28.3782, 0.2496, 0.2774

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8341, 0.1965, 0.2082 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(51, 165, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 165, 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(51, 165, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 165, 255) }
```

Border

The CSS property to change the border of an element to Yxy 34.8341, 0.1965, 0.2082 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(51, 165, 255) }
```

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

```
.border{ border-color:rgb(51, 165, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 165, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 165, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 165, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 165,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8341, 0.1965, 0.2082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 165, 255) }
```

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

```
.background{ background-color: rgb(51, 165,  
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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