

Converting Colors

$Y_{xy}(35.3784, 0.1970, 0.2103)$

Have a look what the booklet for
Yxy(35.3784, 0.1970, 0.2103)
contains.

Yxy(35.5612, 0.1972, 0.2110)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(35.5612, 0.1972, 0.2110)

Conversions

Conversions Part 1

Format	Color
Hex	33A7FF
RGB	51, 167, 255
RGB Percent	20%, 65%, 100%
CMY	0.8001, 0.3451, 0.0000
CMYK	0.80, 0.35, 0.00, 0.00
HSL	206°, 100%, 60%
HSV	206°, 80%, 100%
XYZ	33.2354, 35.5612, 99.7399
YIQ	142.3480, -97.3840, 2.7760

Conversions

Conversions Part 2

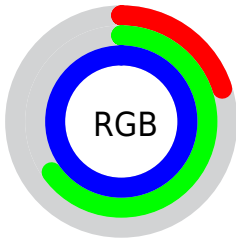
Format	Color
R _Y B	51, 125, 255
Decimal	3385343
CIE Lab	66.18, -1.98, -52.54
CIE LCh	66, 52.580, 267.839
Yxy	35.5612, 0.1972, 0.2110
Android (android.graphics.Color)	4281575423 (0xFF33A7FF)
YUV	142.3480, 55.5374, -80.1122
Hunter-Lab	59.6332, -4.8747, -57.4226

Details

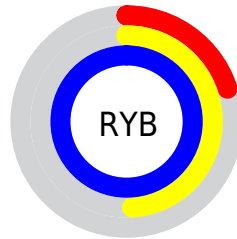
The Yxy color **35.5612, 0.1972, 0.2110** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **39.9572, 0.5149, 0.4029**, and the grayscale version is **26.9971, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0517, 0.2398, 0.2894**, and **16.5680, 0.1852, 0.1867** is the 20% darker color. If you saturate the color by 10%, you get **31.2103, 0.1890, 0.1943**, and if you desaturate by 10%, it is **40.6165, 0.2077, 0.2281**.

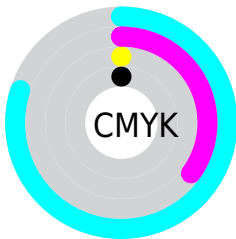
Distribution



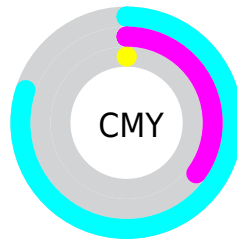
- Red (20%)
- Green (65%)
- Blue (100%)



- 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 35.5612, 0.1972, 0.2110 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 35.5612, 0.1972, 0.2110 by changing the saturation by 10% instead.


 35.5612, 0.1972,
0.2110


 35.5612, 0.1972,
0.2110


327.0385, 0.2536,
0.2689

 24.0955, 0.1841,
0.1975


 68.3542, 0.2171,
0.2315


 15.4045, 0.1680,
0.1808


 90.4504, 0.2247,
0.2394

 9.1037, 0.1480,
0.1599


 116.8588, 0.2313,
0.2461

 4.8089, 0.1229,
0.1336

 147.9638, 0.2370,
0.2519

 2.1356, 0.0915,
0.1005

184.1499, 0.2419,
0.2570

 0.6845, 0.0525,
0.0597

225.8015, 0.2463,

 0.0000, 0.0000,

0.2615

0.0000

273.3029, 0.2501,
0.2654

■ 35.5612, 0.1972,
0.2110

■ 35.5612, 0.1972,
0.2110

■ 31.2103, 0.1890,
0.1943

■ 40.6165, 0.2077,
0.2281

■ 27.4748, 0.1829,
0.1783

■ 46.4377, 0.2201,
0.2450

■ 53.0756, 0.2342,
0.2615

■ 60.5762, 0.2493,
0.2773

■ 68.9808, 0.2652,
0.2920

■ 78.3277, 0.2812,
0.3056

■ 88.6527, 0.2971,
0.3179

99.9892, 0.3127,
0.3290

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.



35.5612, 0.1762, 0.2373



35.5612, 0.1972, 0.2110



35.5612, 0.2466, 0.2122

Triad

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



35.5612, 0.1972, 0.2110



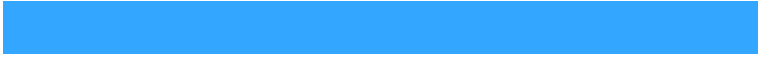
35.5612, 0.4600, 0.3343



35.5612, 0.2890, 0.4550

Complementary

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



35.5612, 0.1972, 0.2110



39.9572, 0.5149, 0.4029

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.



35.5612, 0.3655, 0.4770



35.5612, 0.1972, 0.2110



35.5612, 0.4691, 0.3929

Square

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



35.5612, 0.1972, 0.2110



35.5612, 0.4026, 0.2798



35.5612, 0.4319, 0.4469



35.5612, 0.2232, 0.3801

Rectangle

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



35.5612, 0.1972, 0.2110



35.5612, 0.2940, 0.2261



35.5612, 0.4319, 0.4469



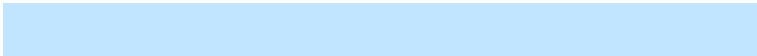
35.5612, 0.3144, 0.4693

Sweetspot

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



35.5608, 0.1972, 0.2110



74.4821, 0.2748, 0.3003



74.0004, 0.2754, 0.4902



15.2352, 0.2691, 0.2954



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.



35.5608, 0.1972, 0.2110



28.9115, 0.1852, 0.1847



12.0549, 0.1661, 0.0932



19.0925, 0.2979, 0.3185



14.6587, 0.1836, 0.1809



1.6445, 0.1887, 0.1993

Inverse Universe

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



26.4157, 0.4300, 0.2300



23.6645, 0.4626, 0.2339



82.6468, 0.4251, 0.4852



18.1602, 0.3205, 0.3156



12.2078, 0.4674, 0.2349



1.2106, 0.4460, 0.2231

Previews

White Background



This preview shows how the Yxy color 35.5612, 0.1972, 0.2110 looks on a white background.

Color Contrast Check

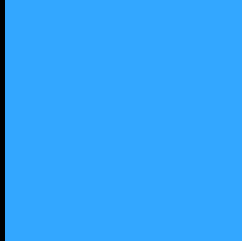
Large Text (above 18pt) WCAG AA × Fail

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 35.5612, 0.1972, 0.2110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

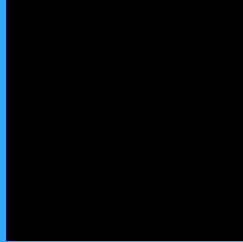
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

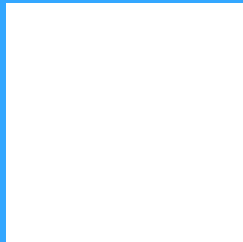
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.5612, 0.1972, 0.2110

Background



This preview shows how black text looks on a background with the Yxy color 35.5612, 0.1972, 0.2110.

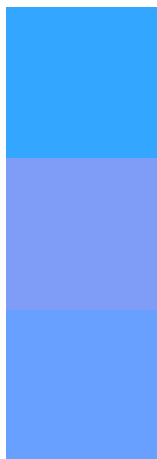


This preview shows how white text looks on a background with the Yxy color 35.5612, 0.1972, 0.2110.

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

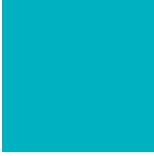
35.5612, 0.1972, 0.2110

Protanopia

35.2798, 0.2273, 0.2141

Deuteranopia

35.3047, 0.2123, 0.2063



Tritanopia

35.6024, 0.2188, 0.3076

Trichromacy



Original Color

35.5612, 0.1972, 0.2110

Protanomaly

34.9819, 0.2127, 0.2127

Deuteranomaly

35.3457, 0.2055, 0.2081

Tritanomaly

35.2656, 0.2090, 0.2676

Monochromacy



Original Color

35.5612, 0.1972, 0.2110

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.8033, 0.2499, 0.2777

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5612, 0.1972, 0.2110 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, 167, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 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(51, 167, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 167, 255) }
```

Border

The CSS property to change the border of an element to Yxy 35.5612, 0.1972, 0.2110 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, 167, 255) }
```

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

```
.border{ border-color:rgb(51, 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(51, 167, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 167, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 167, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 167,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5612, 0.1972, 0.2110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 167, 255) }
```

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

```
.background{ background-color: rgb(51, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor