

Converting Colors

$Y_{xy}(35.7678, 0.2022, 0.2119)$

Have a look what the booklet for
Yxy(35.7678, 0.2022, 0.2119)
contains.

Yxy(35.7678, 0.2022, 0.2119)	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(35.7678, 0.2022, 0.2119)

Conversions

Conversions Part 1

Format	Color
Hex	47A6FE
RGB	71, 166, 254
RGB Percent	28%, 65%, 100%
CMY	0.7214, 0.3491, 0.0038
CMYK	0.72, 0.35, 0.00, 0.00
HSL	209°, 99%, 64%
HSV	209°, 72%, 100%
XYZ	34.1305, 35.7678, 98.8974
YIQ	147.6270, -84.8680, 7.2280

Conversions

Conversions Part 2

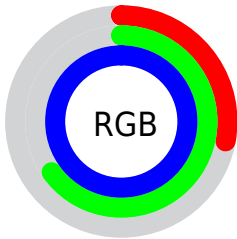
Format	Color
R _Y B	71, 134, 254
Decimal	4695806
CIE Lab	66.34, 0.47, -51.72
CIE LCh	66, 51.722, 270.517
Yxy	35.7678, 0.2022, 0.2119
Android (android.graphics.Color)	4282885886 (0xFF47A6FE)
YUV	147.6270, 52.4419, -67.2019
Hunter-Lab	59.8062, -2.7936, -56.1795

Details

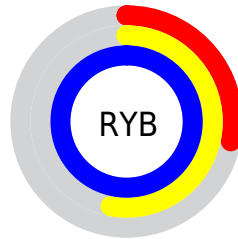
The Yxy color **35.7678, 0.2022, 0.2119** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **46.3616, 0.4824, 0.4108**, and the grayscale version is **29.2620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4219, 0.2445, 0.2887**, and **16.2927, 0.1850, 0.1860** is the 20% darker color. If you saturate the color by 10%, you get **30.7656, 0.1915, 0.1930**, and if you desaturate by 10%, it is **41.5959, 0.2150, 0.2310**.

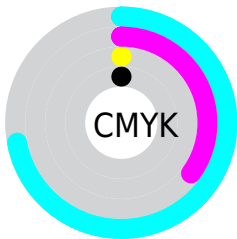
Distribution



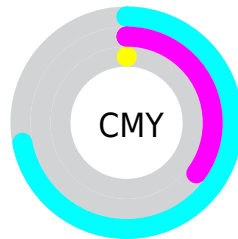
- Red (28%)
- Green (65%)
- Blue (100%)



- Red (28%)
- Yellow (53%)
- Blue (100%)



- Cyan (72%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)




- Cyan (72%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.7678, 0.2022, 0.2119 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 35.7678, 0.2022, 0.2119 by changing the saturation by 10% instead.

 35.7678, 0.2022,
0.2119


 35.7678, 0.2022,
0.2119


327.9445, 0.2564,
0.2692


 24.2549, 0.1895,
0.1985


 68.6735, 0.2213,
0.2321


 15.5228, 0.1739,
0.1820


 90.8351, 0.2287,
0.2399

 9.1871, 0.1544,
0.1614


 117.3151, 0.2350,
0.2466

 4.8634, 0.1297,
0.1354

 148.4979, 0.2405,
0.2524

 2.1674, 0.0984,
0.1025

184.7678, 0.2452,
0.2574

 0.7021, 0.0596,
0.0617

226.5093, 0.2494,

 0.0000, 0.0000,

0.2618

0.0000

274.1067, 0.2531,
0.2657

■ 35.7678, 0.2022,
0.2119

■ 35.7678, 0.2022,
0.2119

■ 30.7656, 0.1915,
0.1930

■ 41.5959, 0.2150,
0.2310

■ 26.5204, 0.1831,
0.1748

■ 48.3021, 0.2295,
0.2496

■ 23.6071, 0.1780,
0.1609

■ 55.9371, 0.2451,
0.2675

■ 64.5457, 0.2614,
0.2843

■ 74.1696, 0.2777,
0.2998

■ 84.8472, 0.2939,
0.3139

■ 96.6148, 0.3096,
0.3266

■ 99.9378, 0.3133,
0.3299

Harmonies

Analogous

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



35.7678, 0.1790, 0.2354



35.7678, 0.2022, 0.2119



35.7678, 0.2534, 0.2152

Triad

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



35.7678, 0.2022, 0.2119



35.7678, 0.4602, 0.3396



35.7678, 0.2831, 0.4475

Complementary

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



35.7678, 0.2022, 0.2119



46.3616, 0.4824, 0.4108

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.



35.7678, 0.3583, 0.4747



35.7678, 0.2022, 0.2119



35.7678, 0.4649, 0.3973

Square

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



35.7678, 0.2022, 0.2119



35.7678, 0.4075, 0.2851



35.7678, 0.4252, 0.4491



35.7678, 0.2201, 0.3714

Rectangle

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



35.7678, 0.2022, 0.2119



35.7678, 0.3013, 0.2303



35.7678, 0.4252, 0.4491



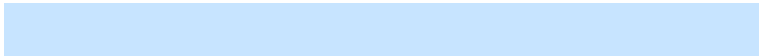
35.7678, 0.3079, 0.4633

Sweetspot

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



35.7690, 0.2022, 0.2119



74.8392, 0.2778, 0.2999



74.6612, 0.2714, 0.4595



15.4328, 0.2733, 0.2958



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.



35.7690, 0.2022, 0.2119



29.2377, 0.1879, 0.1856



13.8288, 0.1752, 0.1046



18.9370, 0.2979, 0.3173



12.7398, 0.1788, 0.1637



1.4593, 0.1844, 0.1838

Inverse Universe

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



28.3433, 0.4266, 0.2417



24.6890, 0.4598, 0.2399



88.6263, 0.4123, 0.4835



18.1445, 0.3212, 0.3167



12.0141, 0.4884, 0.2464



1.1919, 0.4641, 0.2330

Previews

White Background



This preview shows how the Yxy color 35.7678, 0.2022, 0.2119 looks on a white background.

Color Contrast Check

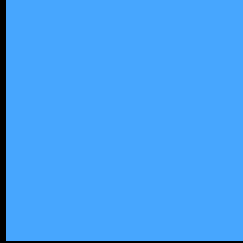
Large Text (above 18pt) WCAG AA × Fail

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 35.7678, 0.2022, 0.2119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

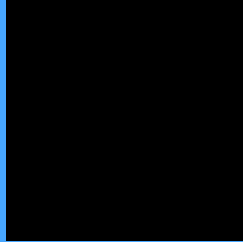
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

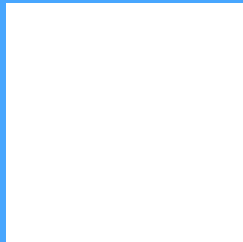
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.7678, 0.2022, 0.2119

Background



This preview shows how black text looks on a background with the Yxy color 35.7678, 0.2022, 0.2119.

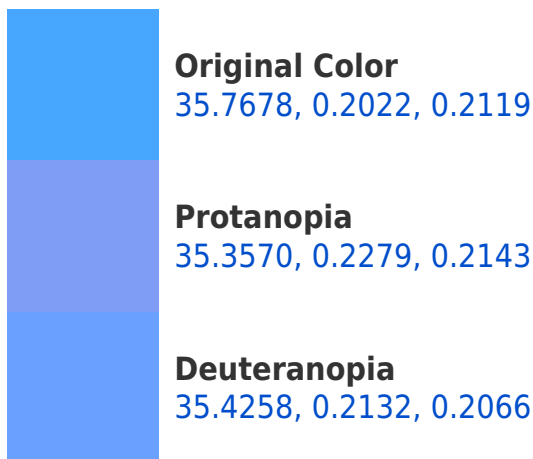


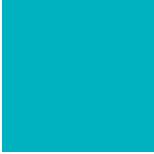
This preview shows how white text looks on a background with the Yxy color 35.7678, 0.2022, 0.2119.

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





Tritanopia

35.6466, 0.2183, 0.3060

Trichromacy



Original Color

35.7678, 0.2022, 0.2119

Protanomaly

35.1070, 0.2161, 0.2123

Deuteranomaly

35.3878, 0.2082, 0.2076

Tritanomaly

35.3980, 0.2094, 0.2664

Monochromacy



Original Color

35.7678, 0.2022, 0.2119

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

31.0236, 0.2563, 0.2796

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7678, 0.2022, 0.2119 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(71, 166, 254)` looks like.

```
.text, #text, p{  
  color:rgb(71, 166, 254)  
}
```

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(71, 166, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 166, 254) }
```

Border

The CSS property to change the border of an element to Yxy 35.7678, 0.2022, 0.2119 is called "border". The border property can be set on classes, ids or directly on the HTML element.

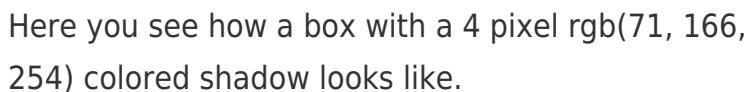
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(71, 166, 254) }
```

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

```
.border{ border-color:rgb(71, 166, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(71, 166, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 166, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 166, 254);  
box-shadow:4px 4px 4px 4px rgb(71, 166,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7678, 0.2022, 0.2119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 166, 254) }
```

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

```
.background{ background-color: rgb(71, 166,  
254) }
```

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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