

Converting Colors

$Y_{xy}(35.5648, 0.2047, 0.2092)$

Have a look what the booklet for
Yxy(35.5648, 0.2047, 0.2092)
contains.

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Color

Yxy(35.5648, 0.2047, 0.2092)

Conversions

Conversions Part 1

Format	Color
Hex	52A4FF
RGB	82, 164, 255
RGB Percent	32%, 64%, 100%
CMY	0.6787, 0.3568, 0.0000
CMYK	0.68, 0.36, 0.00, 0.00
HSL	212°, 100%, 66%
HSV	212°, 68%, 100%
XYZ	34.7998, 35.5648, 99.6392
YIQ	149.8560, -78.0830, 10.9170

Conversions

Conversions Part 2

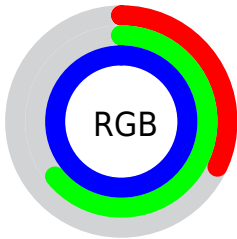
Format	Color
R _Y B	82, 138, 255
Decimal	5416191
CIE Lab	66.19, 3.45, -52.47
CIE LCh	66, 52.585, 273.759
Yxy	35.5648, 0.2047, 0.2092
Android (android.graphics.Color)	4283606271 (0xFF52A4FF)
YUV	149.8560, 51.8360, -59.5097
Hunter-Lab	59.6362, -0.2025, -57.3154

Details

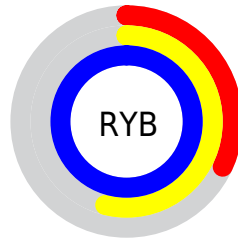
The Yxy color **35.5648, 0.2047, 0.2092** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **51.7217, 0.4640, 0.4160**, and the grayscale version is **30.2294, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0861, 0.2479, 0.2867**, and **15.8875, 0.1837, 0.1813** is the 20% darker color. If you saturate the color by 10%, you get **30.0799, 0.1924, 0.1885**, and if you desaturate by 10%, it is **41.9819, 0.2189, 0.2300**.

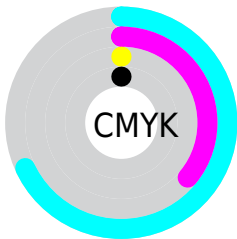
Distribution



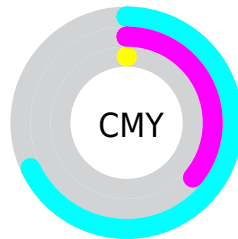
- Red (32%)
- Green (64%)
- Blue (100%)



- Red (32%)
- Yellow (54%)
- Blue (100%)



- Cyan (68%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)




- Cyan (68%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.5648, 0.2047, 0.2092 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 35.5648, 0.2047, 0.2092 by changing the saturation by 10% instead.


 35.5648, 0.2047,
0.2092


 35.5648, 0.2047,
0.2092


327.0543, 0.2578,
0.2675

 24.0983, 0.1922,
0.1957


 68.3598, 0.2235,
0.2297


 15.4065, 0.1768,
0.1790


 90.4571, 0.2307,
0.2376

 9.1052, 0.1575,
0.1583


 116.8667, 0.2369,
0.2444

 4.8099, 0.1330,
0.1323

 147.9731, 0.2423,
0.2503

 2.1361, 0.1019,
0.0996

184.1607, 0.2469,
0.2554

 0.6848, 0.0635,
0.0591

225.8138, 0.2510,

 0.0000, 0.0000,

0.2599

0.0000

273.3169, 0.2546,
0.2640

■ 35.5648, 0.2047,
0.2092

■ 35.5648, 0.2047,
0.2092

■ 30.0799, 0.1924,
0.1885

■ 41.9819, 0.2189,
0.2300

■ 25.4587, 0.1826,
0.1685

■ 49.3852, 0.2346,
0.2502

■ 21.6191, 0.1752,
0.1498

■ 57.8271, 0.2510,
0.2694

■ 20.8810, 0.1739,
0.1459

■ 67.3548, 0.2678,
0.2873

■ 78.0120, 0.2844,
0.3037

■ 89.8398, 0.3005,
0.3185

100.0000, 0.3127,
0.3290

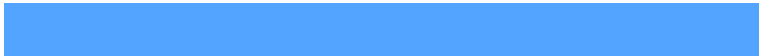
Harmonies

Analogous

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



35.5648, 0.1781, 0.2297



35.5648, 0.2047, 0.2092



35.5648, 0.2595, 0.2153

Triad

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



35.5648, 0.2047, 0.2092



35.5648, 0.4659, 0.3458



35.5648, 0.2745, 0.4434

Complementary

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



35.5648, 0.2047, 0.2092



51.7217, 0.4640, 0.4160

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.



35.5648, 0.3506, 0.4775



35.5648, 0.2047, 0.2092



35.5648, 0.4650, 0.4043

Square

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



35.5648, 0.2047, 0.2092



35.5648, 0.4170, 0.2899



35.5648, 0.4205, 0.4556



35.5648, 0.2131, 0.3626

Rectangle

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



35.5648, 0.2047, 0.2092



35.5648, 0.3097, 0.2321



35.5648, 0.4205, 0.4556



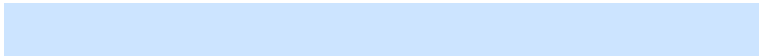
35.5648, 0.2993, 0.4616

Sweetspot

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



35.5658, 0.2047, 0.2092



75.6480, 0.2809, 0.3003



76.2640, 0.2682, 0.4387



15.5405, 0.2762, 0.2958



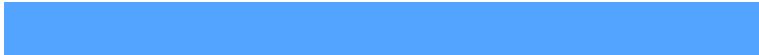
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



35.5658, 0.2047, 0.2092



28.5451, 0.1891, 0.1821



15.1657, 0.1820, 0.1114



18.7988, 0.2979, 0.3162



11.2049, 0.1747, 0.1489



1.3079, 0.1806, 0.1701

Inverse Universe

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



29.9641, 0.4277, 0.2515



25.4991, 0.4623, 0.2480



92.8451, 0.4032, 0.4833



18.1305, 0.3219, 0.3178



11.8591, 0.5074, 0.2569



1.1766, 0.4805, 0.2421

Previews

White Background



This preview shows how the Yxy color 35.5648, 0.2047, 0.2092 looks on a white background.

Color Contrast Check

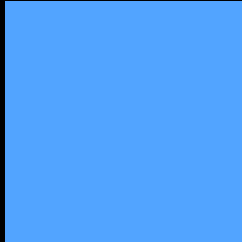
Large Text (above 18pt) WCAG AA × Fail

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 35.5648, 0.2047, 0.2092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

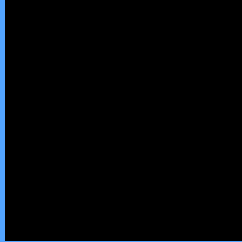
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

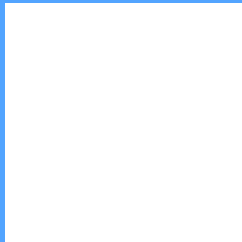
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.5648, 0.2047, 0.2092

Background



This preview shows how black text looks on a background with the Yxy color 35.5648, 0.2047, 0.2092.



This preview shows how white text looks on a background with the Yxy color 35.5648, 0.2047, 0.2092.

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

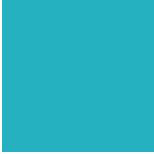
35.5648, 0.2047, 0.2092

Protanopia

35.3891, 0.2253, 0.2111

Deuteranopia

35.3649, 0.2127, 0.2064



Tritanopia

35.5992, 0.2226, 0.3061

Trichromacy



Original Color

35.5648, 0.2047, 0.2092

Protanomaly

35.4216, 0.2167, 0.2108

Deuteranomaly

35.2511, 0.2095, 0.2067

Tritanomaly

35.1170, 0.2142, 0.2653

Monochromacy



Original Color

35.5648, 0.2047, 0.2092

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.4335, 0.2594, 0.2787

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5648, 0.2047, 0.2092 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(82, 164, 255)` looks like.

```
.text, #text, p{  
    color:rgb(82, 164, 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(82, 164, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 164, 255) }
```

Border

The CSS property to change the border of an element to Yxy 35.5648, 0.2047, 0.2092 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(82, 164, 255) }
```

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

```
.border{ border-color:rgb(82, 164, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 164, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 164, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 164, 255);  
box-shadow:4px 4px 4px 4px rgb(82, 164,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5648, 0.2047, 0.2092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 164, 255) }
```

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

```
.background{ background-color: rgb(82, 164,  
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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