

Converting Colors

$Y_{xy}(36.2533, 0.2071, 0.2153)$

Have a look what the booklet for
Yxy(36.2533, 0.2071, 0.2153)
contains.

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Color

Yxy(36.1855, 0.2072, 0.2150)

Conversions

Conversions Part 1

Format	Color
Hex	54A6FC
RGB	84, 166, 252
RGB Percent	33%, 65%, 99%
CMY	0.6700, 0.3491, 0.0117
CMYK	0.67, 0.34, 0.00, 0.01
HSL	211°, 97%, 66%
HSV	211°, 67%, 99%
XYZ	34.8727, 36.1855, 97.2464
YIQ	151.2860, -76.4780, 9.3620

Conversions

Conversions Part 2

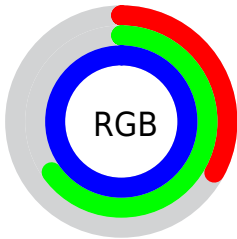
Format	Color
R _Y B	84, 139, 252
Decimal	5547772
CIE Lab	66.66, 1.65, -50.09
CIE LCh	67, 50.113, 271.885
Yxy	36.1855, 0.2072, 0.2150
Android (android.graphics.Color)	4283737852 (0xFF54A6FC)
YUV	151.2860, 49.6520, -59.0098
Hunter-Lab	60.1544, -1.7901, -53.7410

Details

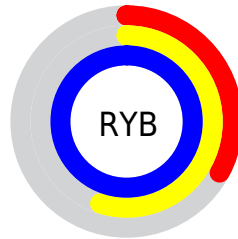
The Yxy color **36.1855, 0.2072, 0.2150** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **50.1514, 0.4624, 0.4129**, and the grayscale version is **30.8995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.2288, 0.2488, 0.2891**, and **16.2016, 0.1856, 0.1882** is the 20% darker color. If you saturate the color by 10%, you get **30.7619, 0.1948, 0.1948**, and if you desaturate by 10%, it is **42.5012, 0.2215, 0.2352**.

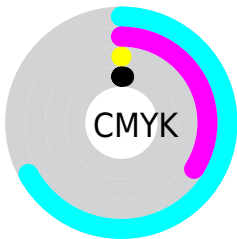
Distribution



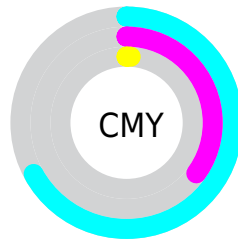
- Red (33%)
- Green (65%)
- Blue (99%)



- Red (33%)
- Yellow (55%)
- Blue (99%)



- Cyan (67%)
- Magenta (34%)
- Yellow (0%)
- Black (1%)





- Cyan (67%)
- Magenta (35%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.1855, 0.2072, 0.2150 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 36.1855, 0.2072, 0.2150 by changing the saturation by 10% instead.


 36.1855, 0.2072,
0.2150


 36.1855, 0.2072,
0.2150

329.7706, 0.2591,
0.2708

 24.5775, 0.1950,
0.2019


 69.3183, 0.2256,
0.2347

 15.7626, 0.1799,
0.1858


 91.6119, 0.2327,
0.2423

 9.3563, 0.1608,
0.1656


 118.2361, 0.2387,
0.2488

 4.9743, 0.1366,
0.1399

 149.5753, 0.2439,
0.2544

 2.2322, 0.1055,
0.1072

186.0140, 0.2484,
0.2593

 0.7375, 0.0666,
0.0663

227.9365, 0.2524,

 0.0000, 0.0000,

0.2636

0.0000

275.7273, 0.2559,
0.2674

■ 36.1855, 0.2072,
0.2150

■ 36.1855, 0.2072,
0.2150

■ 30.7619, 0.1948,
0.1948

■ 42.5012, 0.2215,
0.2352

■ 26.1659, 0.1848,
0.1750

■ 49.7590, 0.2370,
0.2548

■ 22.3247, 0.1773,
0.1564

■ 58.0083, 0.2534,
0.2733

■ 21.1604, 0.1751,
0.1504

■ 67.2934, 0.2700,
0.2905

■ 77.6555, 0.2865,
0.3063

■ 89.1332, 0.3025,
0.3205

99.8087, 0.3144,
0.3319

Harmonies

Analogous

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



36.1855, 0.1833, 0.2368



36.1855, 0.2072, 0.2150



36.1855, 0.2583, 0.2192

Triad

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



36.1855, 0.2072, 0.2150



36.1855, 0.4564, 0.3423



36.1855, 0.2813, 0.4403

Complementary

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



36.1855, 0.2072, 0.2150



50.1514, 0.4624, 0.4129

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.



36.1855, 0.3540, 0.4695



36.1855, 0.2072, 0.2150



36.1855, 0.4591, 0.3984

Square

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



36.1855, 0.2072, 0.2150



36.1855, 0.4074, 0.2889



36.1855, 0.4195, 0.4475



36.1855, 0.2210, 0.3662

Rectangle

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



36.1855, 0.2072, 0.2150



36.1855, 0.3053, 0.2345



36.1855, 0.4195, 0.4475



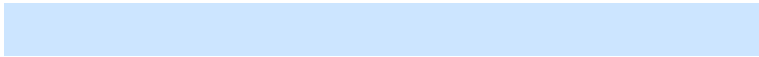
36.1855, 0.3051, 0.4564

Sweetspot

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



36.1867, 0.2072, 0.2150



76.0210, 0.2809, 0.3011



74.3463, 0.2697, 0.4401



15.6296, 0.2763, 0.2967



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.



36.1867, 0.2072, 0.2150



29.8828, 0.1911, 0.1879



15.2834, 0.1830, 0.1145



18.0401, 0.2980, 0.3165



11.3151, 0.1760, 0.1534



1.2594, 0.1820, 0.1753

Inverse Universe

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



29.8124, 0.4212, 0.2501



25.8444, 0.4554, 0.2454



90.9637, 0.4041, 0.4801



17.3663, 0.3217, 0.3175



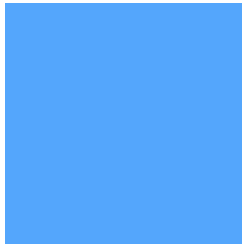
11.5532, 0.5015, 0.2537



1.0914, 0.4742, 0.2386

Previews

White Background



This preview shows how the Yxy color 36.1855, 0.2072, 0.2150 looks on a white background.

Color Contrast Check

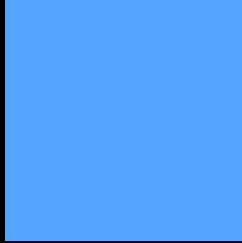
Large Text (above 18pt) WCAG AA × Fail

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 36.1855, 0.2072, 0.2150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

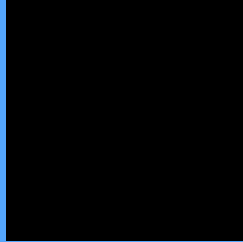
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

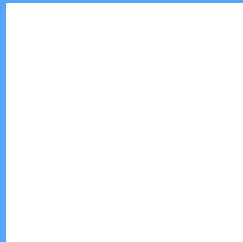
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.1855, 0.2072, 0.2150

Background



This preview shows how black text looks on a background with the Yxy color 36.1855, 0.2072, 0.2150.



This preview shows how white text looks on a background with the Yxy color 36.1855, 0.2072, 0.2150.

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

36.1855, 0.2072, 0.2150

Protanopia

35.7921, 0.2298, 0.2169

Deuteranopia

35.9611, 0.2167, 0.2104



Tritanopia

36.2274, 0.2246, 0.3064

Trichromacy



Original Color

36.1855, 0.2072, 0.2150

Protanomaly

35.7778, 0.2198, 0.2154

Deuteranomaly

36.0529, 0.2126, 0.2118

Tritanomaly

36.0878, 0.2170, 0.2688

Monochromacy



Original Color

36.1855, 0.2072, 0.2150

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.9198, 0.2611, 0.2805

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1855, 0.2072, 0.2150 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(84, 166, 252)` looks like.

```
.text, #text, p{  
    color:rgb(84, 166, 252)  
}
```

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(84, 166, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 166, 252) }
```

Border

The CSS property to change the border of an element to Yxy 36.1855, 0.2072, 0.2150 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(84, 166, 252) }
```

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

```
.border{ border-color:rgb(84, 166, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 166, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 166, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 166, 252);  
box-shadow:4px 4px 4px 4px rgb(84, 166,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1855, 0.2072, 0.2150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 166, 252) }
```

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

```
.background{ background-color: rgb(84, 166,  
252) }
```

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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