

Converting Colors

$Y_{xy}(36.3155, 0.2100, 0.2109)$

Have a look what the booklet for
Yxy(36.3155, 0.2100, 0.2109)
contains.

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Color

Yxy(36.2577, 0.2100, 0.2107)

Conversions

Conversions Part 1

Format	Color
Hex	60A4FF
RGB	96, 164, 255
RGB Percent	38%, 64%, 100%
CMY	0.6240, 0.3568, 0.0001
CMYK	0.62, 0.36, 0.00, 0.00
HSL	214°, 100%, 69%
HSV	214°, 62%, 100%
XYZ	36.1372, 36.2577, 99.6872
YIQ	154.0420, -69.7390, 13.8850

Conversions

Conversions Part 2

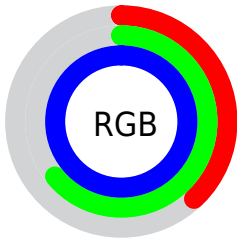
Format	Color
R _{YB}	96, 144, 255
Decimal	6333695
CIE _{Lab}	66.72, 5.69, -51.59
CIE _{LCh}	67, 51.901, 276.290
Y _{xy}	36.2577, 0.2100, 0.2107
Android (android.graphics.Color)	4284523775 (0xFF60A4FF)
Y _{UV}	154.0420, 49.7723, -50.9028
Hunter-Lab	60.2144, 1.7504, -56.0068

Details

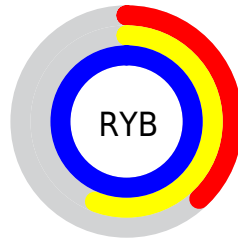
The Yxy color **36.2577, 0.2100, 0.2107** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **57.5729, 0.4439, 0.4185**, and the grayscale version is **32.1241, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.1521, 0.2535, 0.2873**, and **15.8875, 0.1837, 0.1813** is the 20% darker color. If you saturate the color by 10%, you get **30.1718, 0.1959, 0.1882**, and if you desaturate by 10%, it is **43.3922, 0.2257, 0.2331**.

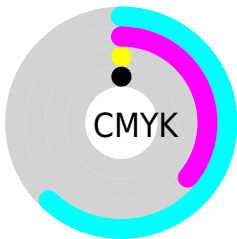
Distribution



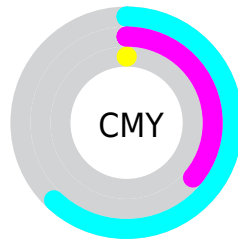
- Red (38%)
- Green (64%)
- Blue (100%)



- Red (38%)
- Yellow (56%)
- Blue (100%)



- Cyan (62%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)



- Cyan (62%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.2577, 0.2100, 0.2107 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 36.2577, 0.2100, 0.2107 by changing the saturation by 10% instead.


 36.2577, 0.2100,
0.2107


 36.2577, 0.2100,
0.2107


330.0855, 0.2606,
0.2680


 24.6333, 0.1981,
0.1974


 69.4296, 0.2280,
0.2308


 15.8041, 0.1833,
0.1811


 91.7459, 0.2349,
0.2386

 9.3856, 0.1646,
0.1608


 118.3950, 0.2407,
0.2453

 4.9935, 0.1408,
0.1352

 149.7612, 0.2458,
0.2511

 2.2435, 0.1102,
0.1030

186.2290, 0.2503,
0.2561

 0.7435, 0.0719,
0.0632

228.1827, 0.2541,

 0.0000, 0.0000,

0.2606

0.0000

276.0067, 0.2576,
0.2645

■ 36.2577, 0.2100,
0.2107

■ 36.2577, 0.2100,
0.2107

■ 30.1718, 0.1959,
0.1882

■ 43.3922, 0.2257,
0.2331

■ 25.0656, 0.1841,
0.1662

■ 51.6301, 0.2425,
0.2546

■ 20.8644, 0.1751,
0.1457

■ 61.0257, 0.2596,
0.2749

■ 18.2006, 0.1698,
0.1313

■ 71.6283, 0.2767,
0.2936

■ 83.4840, 0.2933,
0.3105

96.6361, 0.3091,
0.3256

99.9990, 0.3127,
0.3290

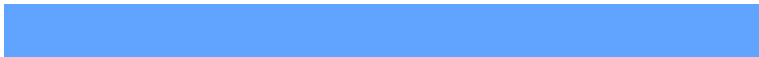
Harmonies

Analogous

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



36.2577, 0.1814, 0.2287



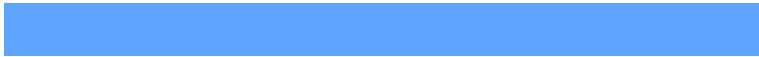
36.2577, 0.2100, 0.2107



36.2577, 0.2663, 0.2187

Triad

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



36.2577, 0.2100, 0.2107



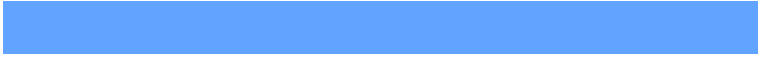
36.2577, 0.4649, 0.3507



36.2577, 0.2695, 0.4355

Complementary

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



36.2577, 0.2100, 0.2107



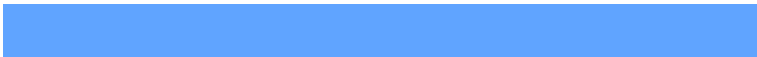
57.5729, 0.4439, 0.4185

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.



36.2577, 0.3438, 0.4740



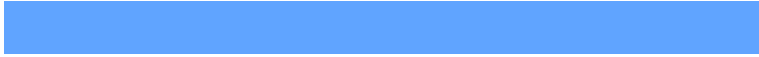
36.2577, 0.2100, 0.2107



36.2577, 0.4601, 0.4081

Square

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



36.2577, 0.2100, 0.2107



36.2577, 0.4206, 0.2950



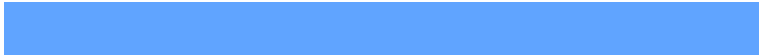
36.2577, 0.4138, 0.4569



36.2577, 0.2110, 0.3547

Rectangle

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



36.2577, 0.2100, 0.2107



36.2577, 0.3166, 0.2364



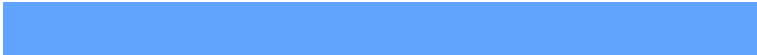
36.2577, 0.4138, 0.4569



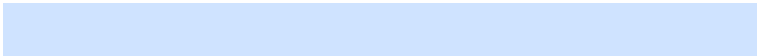
36.2577, 0.2935, 0.4548

Sweetspot

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



36.2589, 0.2100, 0.2107



75.5235, 0.2824, 0.2995



77.5370, 0.2660, 0.4173



15.4629, 0.2776, 0.2945



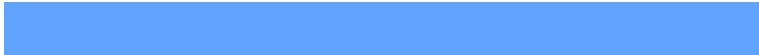
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



36.2589, 0.2100, 0.2107



28.7550, 0.1926, 0.1824



18.6574, 0.1965, 0.1299



18.6570, 0.2979, 0.3150



9.7938, 0.1707, 0.1343



1.1652, 0.1768, 0.1564

Inverse Universe

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



32.2824, 0.4236, 0.2624



26.9634, 0.4597, 0.2570



91.6527, 0.3928, 0.4781



18.1162, 0.3227, 0.3189



11.7166, 0.5267, 0.2675



1.1622, 0.4977, 0.2515

Previews

White Background



This preview shows how the Yxy color 36.2577, 0.2100, 0.2107 looks on a white background.

Color Contrast Check

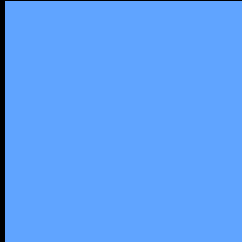
Large Text (above 18pt) WCAG AA × Fail

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 36.2577, 0.2100, 0.2107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

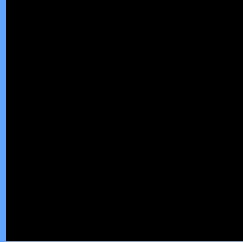
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

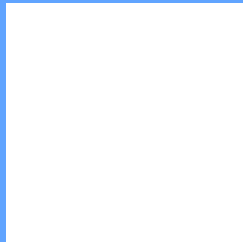
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.2577, 0.2100, 0.2107

Background



This preview shows how black text looks on a background with the Yxy color 36.2577, 0.2100, 0.2107.

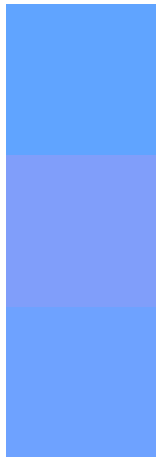


This preview shows how white text looks on a background with the Yxy color 36.2577, 0.2100, 0.2107.

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

36.2577, 0.2100, 0.2107

Protanopia

35.9450, 0.2262, 0.2118

Deuteranopia

36.3757, 0.2156, 0.2097



Tritanopia

36.2959, 0.2301, 0.3066

Trichromacy



Original Color

36.2577, 0.2100, 0.2107

Protanomaly

35.8829, 0.2193, 0.2107

Deuteranomaly

36.4176, 0.2136, 0.2104

Tritanomaly

35.8966, 0.2217, 0.2664

Monochromacy



Original Color

36.2577, 0.2100, 0.2107

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.2019, 0.2640, 0.2801

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2577, 0.2100, 0.2107 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(96, 164, 255)` looks like.

```
.text, #text, p{  
    color:rgb(96, 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(96, 164, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 164, 255) }
```

Border

The CSS property to change the border of an element to Yxy 36.2577, 0.2100, 0.2107 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(96, 164, 255) }
```

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

```
.border{ border-color:rgb(96, 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(96, 164, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 164, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 164, 255);  
box-shadow:4px 4px 4px 4px rgb(96, 164,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2577, 0.2100, 0.2107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 164, 255) }
```

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

```
.background{ background-color: rgb(96, 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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