

Converting Colors

$Yxy(36.7166, 0.2087, 0.2128)$

Have a look what the booklet for
Yxy(36.7166, 0.2087, 0.2128)
contains.

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Color

Yxy(36.7166, 0.2087, 0.2128)

Conversions

Conversions Part 1

Format	Color
Hex	5BA6FF
RGB	91, 166, 255
RGB Percent	36%, 65%, 100%
CMY	0.6428, 0.3491, 0.0000
CMYK	0.64, 0.35, 0.00, 0.00
HSL	213°, 100%, 68%
HSV	213°, 64%, 100%
XYZ	36.0092, 36.7166, 99.8146
YIQ	153.7210, -73.2690, 11.7790

Conversions

Conversions Part 2

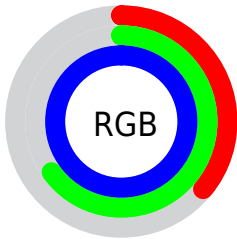
Format	Color
R _Y B	91, 142, 255
Decimal	6006527
CIE Lab	67.06, 3.76, -51.07
CIE LCh	67, 51.211, 274.211
Yxy	36.7166, 0.2087, 0.2128
Android (android.graphics.Color)	4284196607 (0xFF5BA6FF)
YUV	153.7210, 49.9305, -55.0063
Hunter-Lab	60.5942, 0.0369, -55.2503

Details

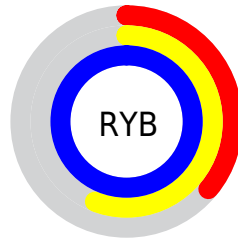
The Yxy color **36.7166, 0.2087, 0.2128** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **54.7007, 0.4522, 0.4159**, and the grayscale version is **31.9964, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8029, 0.2518, 0.2895**, and **16.3387, 0.1847, 0.1849** is the 20% darker color. If you saturate the color by 10%, you get **30.8657, 0.1954, 0.1914**, and if you desaturate by 10%, it is **43.5495, 0.2238, 0.2342**.

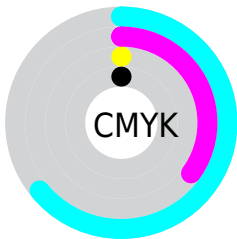
Distribution



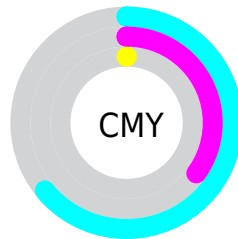
- Red (36%)
- Green (65%)
- Blue (100%)



- Red (36%)
- Yellow (56%)
- Blue (100%)



- Cyan (64%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)





- Cyan (64%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7166, 0.2087, 0.2128 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 36.7166, 0.2087, 0.2128 by changing the saturation by 10% instead.


 36.7166, 0.2087,
0.2128


 36.7166, 0.2087,
0.2128


332.0819, 0.2598,
0.2693


 24.9881, 0.1967,
0.1997


 70.1367, 0.2268,
0.2327

 16.0682, 0.1818,
0.1836


 92.5971, 0.2337,
0.2403

 9.5724, 0.1632,
0.1635


 119.4037, 0.2397,
0.2469

 5.1164, 0.1393,
0.1380

 150.9407, 0.2448,
0.2526

 2.3157, 0.1088,
0.1058

187.5927, 0.2493,
0.2575

 0.7820, 0.0707,
0.0662

229.7439, 0.2532,

 0.0000, 0.0000,

0.2619

0.0000

277.7789, 0.2567,
0.2658

■ 36.7166, 0.2087,
0.2128

■ 36.7166, 0.2087,
0.2128

■ 30.8657, 0.1954,
0.1914

■ 43.5495, 0.2238,
0.2342

■ 25.9335, 0.1844,
0.1705

■ 51.4213, 0.2400,
0.2548

■ 21.8448, 0.1761,
0.1508

■ 60.3832, 0.2568,
0.2742

■ 19.8311, 0.1723,
0.1403

■ 70.4824, 0.2737,
0.2922

■ 81.7631, 0.2902,
0.3085

94.2668, 0.3061,
0.3232

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.



36.7166, 0.1823, 0.2326



36.7166, 0.2087, 0.2128



36.7166, 0.2625, 0.2189

Triad

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



36.7166, 0.2087, 0.2128



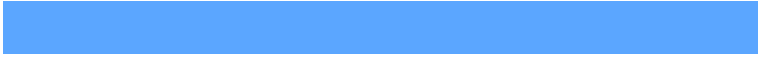
36.7166, 0.4608, 0.3467



36.7166, 0.2752, 0.4378

Complementary

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



36.7166, 0.2087, 0.2128



54.7007, 0.4522, 0.4159

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.



36.7166, 0.3487, 0.4718



36.7166, 0.2087, 0.2128



36.7166, 0.4596, 0.4035

Square

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



36.7166, 0.2087, 0.2128



36.7166, 0.4142, 0.2921



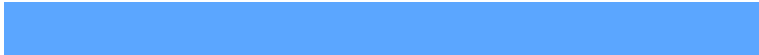
36.7166, 0.4165, 0.4523



36.7166, 0.2158, 0.3602

Rectangle

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



36.7166, 0.2087, 0.2128



36.7166, 0.3112, 0.2355



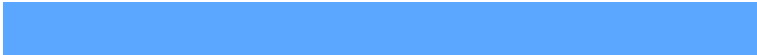
36.7166, 0.4165, 0.4523



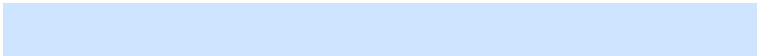
36.7166, 0.2991, 0.4555

Sweetspot

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



36.7164, 0.2087, 0.2128



76.2872, 0.2825, 0.3010



76.9835, 0.2678, 0.4280



15.6465, 0.2777, 0.2963



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.



36.7164, 0.2087, 0.2128



29.4354, 0.1922, 0.1856



17.2344, 0.1900, 0.1227



18.7452, 0.2979, 0.3157



10.6523, 0.1732, 0.1433



1.2524, 0.1791, 0.1649

Inverse Universe

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



31.5102, 0.4224, 0.2566



26.5019, 0.4569, 0.2514



92.5153, 0.3982, 0.4790



18.1251, 0.3222, 0.3182



11.8033, 0.5147, 0.2609



1.1710, 0.4870, 0.2456

Previews

White Background



This preview shows how the Yxy color 36.7166, 0.2087, 0.2128 looks on a white background.

Color Contrast Check

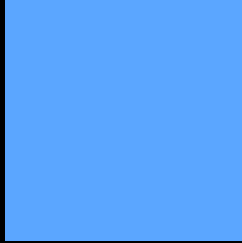
Large Text (above 18pt) WCAG AA × Fail

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 36.7166, 0.2087, 0.2128 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

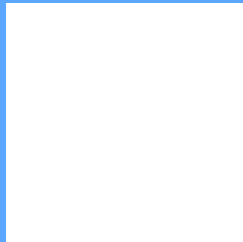
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.7166, 0.2087, 0.2128

Background



This preview shows how black text looks on a background with the Yxy color 36.7166, 0.2087, 0.2128.



This preview shows how white text looks on a background with the Yxy color 36.7166, 0.2087, 0.2128.

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

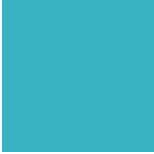
36.7166, 0.2087, 0.2128

Protanopia

36.3817, 0.2281, 0.2144

Deuteranopia

36.5054, 0.2166, 0.2100



Tritanopia

36.5609, 0.2272, 0.3050

Trichromacy



Original Color

36.7166, 0.2087, 0.2128

Protanomaly

36.5187, 0.2203, 0.2143

Deuteranomaly

36.3574, 0.2132, 0.2103

Tritanomaly

36.4952, 0.2190, 0.2666

Monochromacy



Original Color

36.7166, 0.2087, 0.2128

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.0406, 0.2625, 0.2798

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7166, 0.2087, 0.2128 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 $rgb(91, 166, 255)$ looks like.

```
.text, #text, p{  
    color:rgb(91, 166, 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(91, 166, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 166, 255) }
```

Border

The CSS property to change the border of an element to Yxy 36.7166, 0.2087, 0.2128 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(91, 166, 255) }
```

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

```
.border{ border-color:rgb(91, 166, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 166, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 166, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 166, 255);  
box-shadow:4px 4px 4px 4px rgb(91, 166,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7166, 0.2087, 0.2128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 166, 255) }
```

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

```
.background{ background-color: rgb(91, 166,  
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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