

Converting Colors

$Y_{xy}(38.1523, 0.2000, 0.1830)$

Have a look what the booklet for
Yxy(38.1523, 0.2000, 0.1830)
contains.

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Color

Yxy(36.0111, 0.2106, 0.2096)

Conversions

Conversions Part 1

Format	Color
Hex	62A3FF
RGB	98, 163, 255
RGB Percent	38%, 64%, 100%
CMY	0.6154, 0.3608, 0.0002
CMYK	0.62, 0.36, 0.00, 0.00
HSL	215°, 100%, 69%
HSV	215°, 62%, 100%
XYZ	36.1829, 36.0111, 99.6147
YIQ	154.0530, -68.2720, 14.8320

Conversions

Conversions Part 2

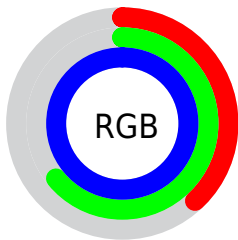
Format	Color
R _Y B	98, 144, 255
Decimal	6464511
CIE Lab	66.53, 6.65, -51.87
CIE LCh	67, 52.290, 277.306
Yxy	36.0111, 0.2106, 0.2096
Android (android.graphics.Color)	4284654591 (0xFF62A3FF)
YUV	154.0530, 49.7669, -49.1585
Hunter-Lab	60.0092, 2.6114, -56.4143

Details

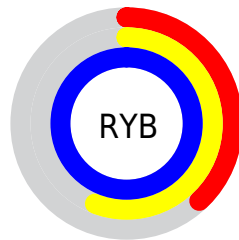
The Yxy color **36.0111, 0.2106, 0.2096** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **58.9696, 0.4402, 0.4197**, and the grayscale version is **32.1461, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8364, 0.2543, 0.2862**, and **15.7043, 0.1838, 0.1797** is the 20% darker color. If you saturate the color by 10%, you get **29.8150, 0.1962, 0.1865**, and if you desaturate by 10%, it is **43.2882, 0.2267, 0.2325**.

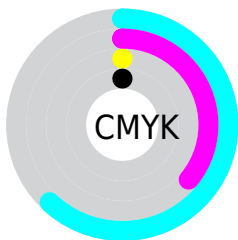
Distribution



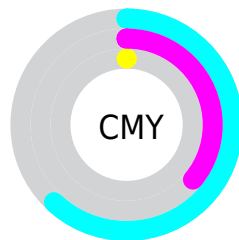
- Red (38%)
- Green (64%)
- Blue (100%)



- 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 36.0111, 0.2106, 0.2096 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 36.0111, 0.2106, 0.2096 by changing the saturation by 10% instead.

 36.0111, 0.2106,
0.2096


 36.0111, 0.2106,
0.2096

 329.0091, 0.2610,
0.2674


 24.4428, 0.1987,
0.1962


 69.0492, 0.2285,
0.2299


 15.6624, 0.1839,
0.1799


 91.2878, 0.2354,
0.2377


 9.2856, 0.1653,
0.1594

 117.8518, 0.2412,
0.2445

 4.9279, 0.1415,
0.1337

 149.1259, 0.2463,
0.2503

 2.2050, 0.1108,
0.1015

 185.4942, 0.2507,
0.2554

 0.7227, 0.0724,
0.0616

 227.3412, 0.2546,

 0.0000, 0.0000,

0.2599

0.0000

275.0514, 0.2580,
0.2639

■ 36.0111, 0.2106,
0.2096

■ 36.0111, 0.2106,
0.2096

■ 29.8150, 0.1962,
0.1865

■ 43.2882, 0.2267,
0.2325

■ 24.6300, 0.1840,
0.1641

■ 51.7021, 0.2436,
0.2545

■ 20.3806, 0.1746,
0.1431

■ 61.3083, 0.2610,
0.2752

■ 17.4282, 0.1686,
0.1269

■ 72.1572, 0.2781,
0.2942

■ 84.2959, 0.2946,
0.3114

97.7690, 0.3104,
0.3268

99.9972, 0.3127,
0.3290

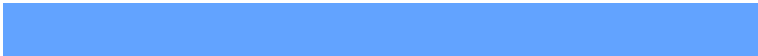
Harmonies

Analogous

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



36.0111, 0.1808, 0.2267



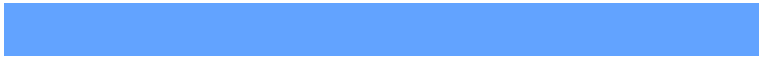
36.0111, 0.2106, 0.2096



36.0111, 0.2682, 0.2184

Triad

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



36.0111, 0.2106, 0.2096



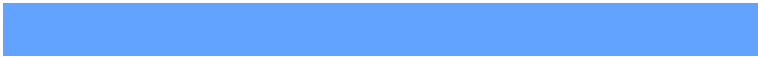
36.0111, 0.4670, 0.3526



36.0111, 0.2666, 0.4344

Complementary

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



36.0111, 0.2106, 0.2096



58.9696, 0.4402, 0.4197

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.



36.0111, 0.3414, 0.4752



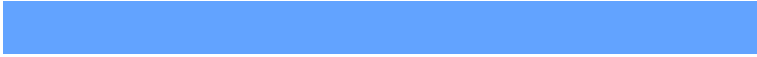
36.0111, 0.2106, 0.2096



36.0111, 0.4604, 0.4105

Square

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



36.0111, 0.2106, 0.2096



36.0111, 0.4239, 0.2965



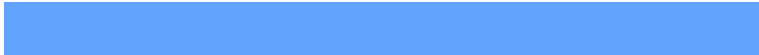
36.0111, 0.4125, 0.4592



36.0111, 0.2085, 0.3520

Rectangle

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



36.0111, 0.2106, 0.2096



36.0111, 0.3193, 0.2368



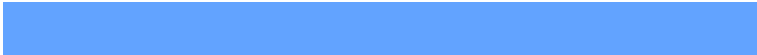
36.0111, 0.4125, 0.4592



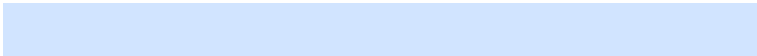
36.0111, 0.2907, 0.4545

Sweetspot

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



36.0123, 0.2106, 0.2096



76.3307, 0.2840, 0.3005



77.7924, 0.2652, 0.4123



15.6054, 0.2791, 0.2953



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.



36.0123, 0.2106, 0.2096



28.4576, 0.1929, 0.1809



19.3527, 0.1998, 0.1334



18.6128, 0.2979, 0.3147



9.3875, 0.1694, 0.1300



1.1233, 0.1756, 0.1522

Inverse Universe

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



32.6433, 0.4243, 0.2653



27.2176, 0.4608, 0.2598



91.2322, 0.3902, 0.4776



18.1118, 0.3229, 0.3192



11.6756, 0.5327, 0.2708



1.1579, 0.5031, 0.2545

Previews

White Background



This preview shows how the Yxy color 36.0111, 0.2106, 0.2096 looks on a white background.

Color Contrast Check

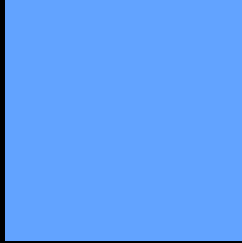
Large Text (above 18pt) WCAG AA × Fail

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 36.0111, 0.2106, 0.2096 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

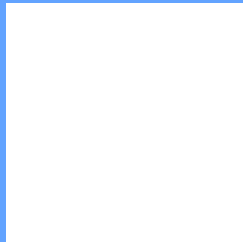
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.0111, 0.2106, 0.2096

Background



This preview shows how black text looks on a background with the Yxy color 36.0111, 0.2106, 0.2096.



This preview shows how white text looks on a background with the Yxy color 36.0111, 0.2106, 0.2096.

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

36.0111, 0.2106, 0.2096

Protanopia

35.8679, 0.2256, 0.2117

Deuteranopia

35.8979, 0.2144, 0.2081



Tritanopia

35.9617, 0.2313, 0.3065

Trichromacy



Original Color

36.0111, 0.2106, 0.2096

Protanomaly

35.8829, 0.2193, 0.2107

Deuteranomaly

36.0037, 0.2129, 0.2090

Tritanomaly

35.6006, 0.2221, 0.2650

Monochromacy



Original Color

36.0111, 0.2106, 0.2096

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.9439, 0.2647, 0.2786

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0111, 0.2106, 0.2096 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(98, 163, 255)` looks like.

```
.text, #text, p{  
    color:rgb(98, 163, 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(98, 163, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 163, 255) }
```

Border

The CSS property to change the border of an element to Yxy 36.0111, 0.2106, 0.2096 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(98, 163, 255) }
```

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

```
.border{ border-color:rgb(98, 163, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 163, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 163, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 163, 255);  
box-shadow:4px 4px 4px 4px rgb(98, 163,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0111, 0.2106, 0.2096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 163, 255) }
```

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

```
.background{ background-color: rgb(98, 163,  
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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