

Converting Colors

$Y_{xy}(36.9576, 0.2126, 0.2128)$

Have a look what the booklet for
Yxy(36.9576, 0.2126, 0.2128)
contains.

Yxy(36.8970, 0.2125, 0.2126)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(36.8970, 0.2125, 0.2126)

Conversions

Conversions Part 1

Format	Color
Hex	65A5FF
RGB	101, 165, 255
RGB Percent	40%, 65%, 100%
CMY	0.6034, 0.3530, 0.0000
CMYK	0.60, 0.35, 0.00, 0.00
HSL	215°, 100%, 70%
HSV	215°, 60%, 100%
XYZ	36.8796, 36.8970, 99.7746
YIQ	156.1240, -67.0340, 14.4220

Conversions

Conversions Part 2

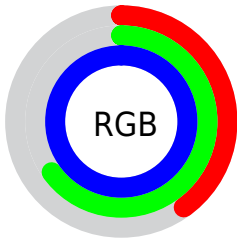
Format	Color
RYB	101, 146, 255
Decimal	6661631
CIELab	67.20, 6.07, -50.81
CIElCh	67, 51.173, 276.809
Yxy	36.8970, 0.2125, 0.2126
Android (android.graphics.Color)	4284851711 (0xFF65A5FF)
YUV	156.1240, 48.7459, -48.3437
Hunter-Lab	60.7429, 2.0750, -54.8681

Details

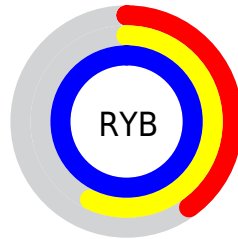
The Yxy color **36.8970, 0.2125, 0.2126** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **59.5145, 0.4374, 0.4182**, and the grayscale version is **33.1171, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.0878, 0.2557, 0.2887**, and **16.2503, 0.1864, 0.1838** is the 20% darker color. If you saturate the color by 10%, you get **30.5758, 0.1979, 0.1895**, and if you desaturate by 10%, it is **44.3048, 0.2287, 0.2354**.

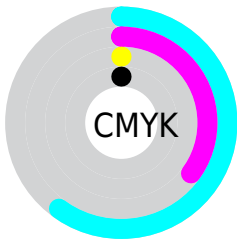
Distribution



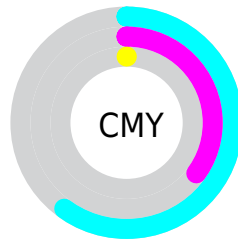
- Red (40%)
- Green (65%)
- Blue (100%)



- Red (40%)
- Yellow (57%)
- Blue (100%)



- Cyan (60%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8970, 0.2125, 0.2126 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 36.8970, 0.2125, 0.2126 by changing the saturation by 10% instead.


 36.8970, 0.2125,
0.2126


 36.8970, 0.2125,
0.2126


332.8644, 0.2619,
0.2689


 25.1278, 0.2008,
0.1996


 70.4143, 0.2300,
0.2324

 16.1723, 0.1864,
0.1835


 92.9312, 0.2368,
0.2400

 9.6461, 0.1681,
0.1636


 119.7994, 0.2425,
0.2466

 5.1650, 0.1447,
0.1383

151.4034, 0.2474,
0.2523

 2.3444, 0.1145,
0.1064

188.1275, 0.2518,
0.2572

 0.7970, 0.0763,
0.0670

230.3561, 0.2556,

 0.0000, 0.0000,

0.2616

0.0000

278.4736, 0.2589,
0.2655

■ 36.8970, 0.2125,
0.2126

■ 36.8970, 0.2125,
0.2126

■ 30.5758, 0.1979,
0.1895

■ 44.3048, 0.2287,
0.2354

■ 25.2721, 0.1854,
0.1670

■ 52.8540, 0.2457,
0.2572

■ 20.9122, 0.1756,
0.1458

■ 62.5996, 0.2630,
0.2777

■ 17.4939, 0.1687,
0.1273

■ 73.5914, 0.2801,
0.2964

■ 85.8761, 0.2966,
0.3134

99.4978, 0.3122,
0.3285

99.9992, 0.3127,
0.3290

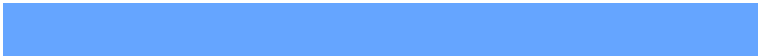
Harmonies

Analogous

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



36.8970, 0.1838, 0.2300



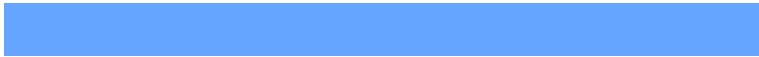
36.8970, 0.2125, 0.2126



36.8970, 0.2684, 0.2208

Triad

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



36.8970, 0.2125, 0.2126



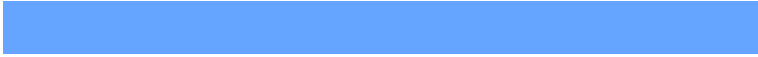
36.8970, 0.4623, 0.3516



36.8970, 0.2693, 0.4320

Complementary

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



36.8970, 0.2125, 0.2126



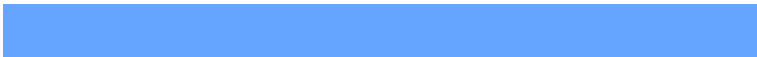
59.5145, 0.4374, 0.4182

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.



36.8970, 0.3423, 0.4708



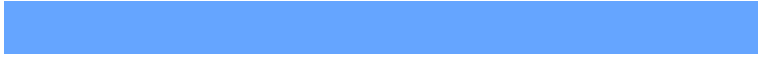
36.8970, 0.2125, 0.2126



36.8970, 0.4570, 0.4081

Square

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



36.8970, 0.2125, 0.2126



36.8970, 0.4196, 0.2967



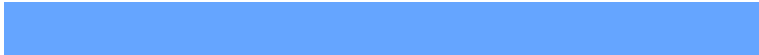
36.8970, 0.4112, 0.4553



36.8970, 0.2121, 0.3529

Rectangle

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



36.8970, 0.2125, 0.2126



36.8970, 0.3180, 0.2385



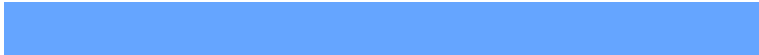
36.8970, 0.4112, 0.4553



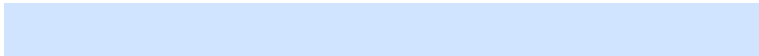
36.8970, 0.2928, 0.4512

Sweetspot

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



36.8982, 0.2125, 0.2126



76.3602, 0.2840, 0.3006



78.0420, 0.2657, 0.4103



15.6126, 0.2791, 0.2954



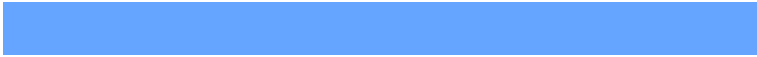
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



36.8982, 0.2125, 0.2126



29.6315, 0.1956, 0.1858



20.1236, 0.2021, 0.1372



18.6164, 0.2979, 0.3147



9.4199, 0.1695, 0.1303



1.1267, 0.1757, 0.1525

Inverse Universe

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



33.3046, 0.4207, 0.2659



27.9432, 0.4545, 0.2601



91.3606, 0.3891, 0.4754



18.1121, 0.3229, 0.3192



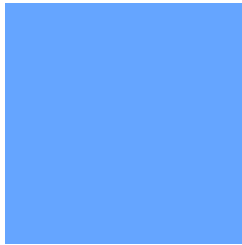
11.6789, 0.5322, 0.2706



1.1583, 0.5026, 0.2543

Previews

White Background



This preview shows how the Yxy color 36.8970, 0.2125, 0.2126 looks on a white background.

Color Contrast Check

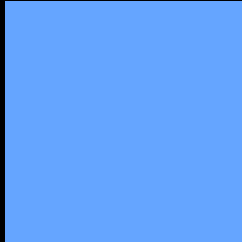
Large Text (above 18pt) WCAG AA × Fail

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 36.8970, 0.2125, 0.2126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

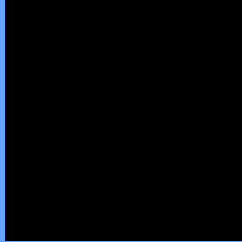
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

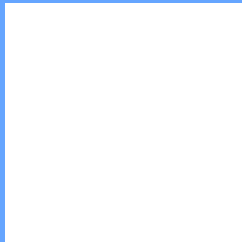
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.8970, 0.2125, 0.2126

Background



This preview shows how black text looks on a background with the Yxy color 36.8970, 0.2125, 0.2126.



This preview shows how white text looks on a background with the Yxy color 36.8970, 0.2125, 0.2126.

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

36.8970, 0.2125, 0.2126

Protanopia

36.7896, 0.2278, 0.2148

Deuteranopia

36.9251, 0.2174, 0.2115



Tritanopia

37.0243, 0.2329, 0.3068

Trichromacy



Original Color

36.8970, 0.2125, 0.2126

Protanomaly

36.7909, 0.2214, 0.2138

Deuteranomaly

37.0221, 0.2158, 0.2123

Tritanomaly

36.6324, 0.2244, 0.2671

Monochromacy



Original Color

36.8970, 0.2125, 0.2126

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.8363, 0.2659, 0.2805

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8970, 0.2125, 0.2126 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(101, 165, 255)` looks like.

```
.text, #text, p{  
    color:rgb(101, 165, 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(101, 165, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 165, 255) }
```

Border

The CSS property to change the border of an element to Yxy 36.8970, 0.2125, 0.2126 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(101, 165, 255) }
```

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

```
.border{ border-color:rgb(101, 165, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 165, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 165, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 165, 255);  
box-shadow:4px 4px 4px 4px rgb(101, 165,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8970, 0.2125, 0.2126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 165, 255) }
```

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

```
.background{ background-color: rgb(101,  
165, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor