

Converting Colors

$Y_{xy}(40.4640, 0.2040, 0.1984)$

Have a look what the booklet for
Yxy(40.4640, 0.2040, 0.1984)
contains.

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Color

Yxy(38.8872, 0.2126, 0.2202)

Conversions

Conversions Part 1

Format	Color
Hex	61ABFF
RGB	97, 171, 255
RGB Percent	38%, 67%, 100%
CMY	0.6197, 0.3294, 0.0000
CMYK	0.62, 0.33, 0.00, 0.00
HSL	212°, 100%, 69%
HSV	212°, 62%, 100%
XYZ	37.5450, 38.8872, 100.1672
YIQ	158.4500, -71.0680, 10.4360

Conversions

Conversions Part 2

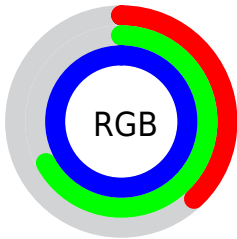
Format	Color
R _Y B	97, 147, 255
Decimal	6401023
CIE Lab	68.67, 1.91, -48.53
CIE LCh	69, 48.570, 272.256
Yxy	38.8872, 0.2126, 0.2202
Android (android.graphics.Color)	4284591103 (0xFF61ABFF)
YUV	158.4500, 47.5992, -53.8916
Hunter-Lab	62.3596, -1.6592, -51.5848

Details

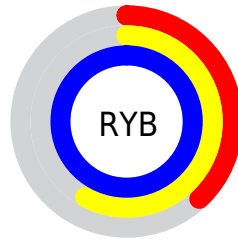
The Yxy color **38.8872, 0.2126, 0.2202** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **55.1606, 0.4476, 0.4120**, and the grayscale version is **34.2072, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.9836, 0.2552, 0.2957**, and **17.2773, 0.1868, 0.1921** is the 20% darker color. If you saturate the color by 10%, you get **32.8426, 0.1990, 0.1992**, and if you desaturate by 10%, it is **45.9045, 0.2278, 0.2410**.

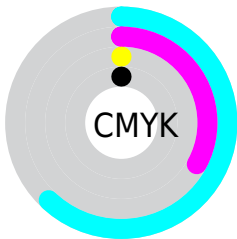
Distribution



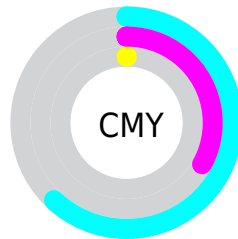
- Red (38%)
- Green (67%)
- Blue (100%)



- Red (38%)
- Yellow (58%)
- Blue (100%)



- Cyan (62%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)




- Cyan (62%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.8872, 0.2126, 0.2202 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 38.8872, 0.2126, 0.2202 by changing the saturation by 10% instead.


 38.8872, 0.2126,
0.2202


 38.8872, 0.2126,
0.2202


341.4107, 0.2615,
0.2730


 26.6720, 0.2011,
0.2079


 73.4660, 0.2299,
0.2388


 17.3270, 0.1869,
0.1927


 96.5983, 0.2365,
0.2460

 10.4679, 0.1691,
0.1736


 124.1385, 0.2422,
0.2521

 5.7103, 0.1462,
0.1493

 156.4709, 0.2471,
0.2575

 2.6697, 0.1167,
0.1181

193.9799, 0.2514,
0.2621

 0.9618, 0.0790,
0.0788

237.0500, 0.2552,

 0.0000, 0.0000,

0.2662

0.0000

286.0654, 0.2585,
0.2698

■ 38.8872, 0.2126,
0.2202

■ 38.8872, 0.2126,
0.2202

■ 32.8426, 0.1990,
0.1992

■ 45.9045, 0.2278,
0.2410

■ 27.7137, 0.1876,
0.1785

■ 53.9522, 0.2441,
0.2609

■ 23.4285, 0.1788,
0.1588

■ 63.0782, 0.2608,
0.2796

■ 20.5213, 0.1734,
0.1440

■ 73.3282, 0.2776,
0.2968

■ 84.7446, 0.2940,
0.3124

97.3676, 0.3097,
0.3264

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.



38.8872, 0.1892, 0.2412



38.8872, 0.2126, 0.2202



38.8872, 0.2619, 0.2243

Triad

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



38.8872, 0.2126, 0.2202



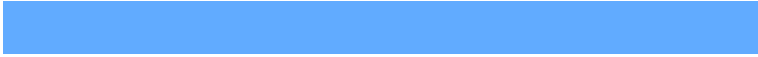
38.8872, 0.4491, 0.3431



38.8872, 0.2825, 0.4329

Complementary

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



38.8872, 0.2126, 0.2202



55.1606, 0.4476, 0.4120

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.



38.8872, 0.3518, 0.4617



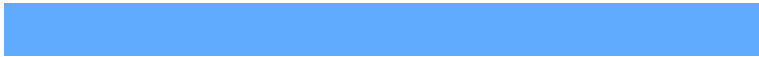
38.8872, 0.2126, 0.2202



38.8872, 0.4516, 0.3967

Square

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



38.8872, 0.2126, 0.2202



38.8872, 0.4031, 0.2916



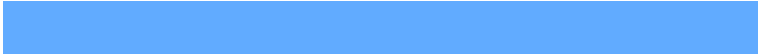
38.8872, 0.4141, 0.4426



38.8872, 0.2251, 0.3634

Rectangle

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



38.8872, 0.2126, 0.2202



38.8872, 0.3068, 0.2391



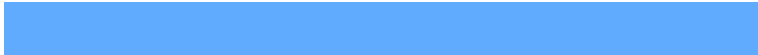
38.8872, 0.4141, 0.4426



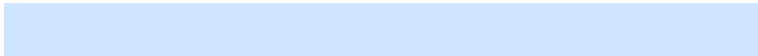
38.8872, 0.3052, 0.4483

Sweetspot

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



38.8860, 0.2126, 0.2202



76.5954, 0.2825, 0.3016



77.2995, 0.2697, 0.4273



15.7207, 0.2778, 0.2970



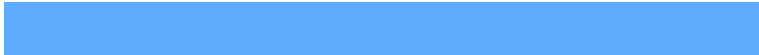
0.0000, 0.0000, 0.0000



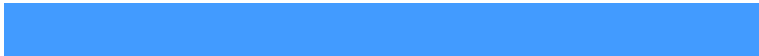
21.4041, 0.3127, 0.3290

Same Dimension

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



38.8860, 0.2126, 0.2202



31.7296, 0.1965, 0.1949



18.4521, 0.1930, 0.1293



18.7807, 0.2979, 0.3160



11.0157, 0.1742, 0.1470



1.2889, 0.1801, 0.1683

Inverse Universe

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



32.7453, 0.4141, 0.2565



27.5479, 0.4453, 0.2499



93.1465, 0.3979, 0.4740



18.1287, 0.3220, 0.3179



11.8400, 0.5098, 0.2582



1.1747, 0.4827, 0.2433

Previews

White Background



This preview shows how the Yxy color 38.8872, 0.2126, 0.2202 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 38.8872, 0.2126, 0.2202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

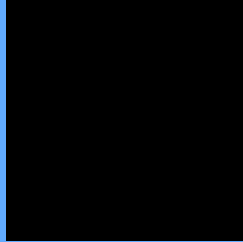
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

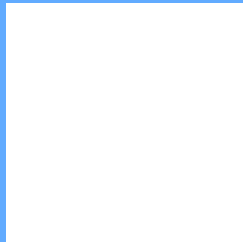
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.8872, 0.2126, 0.2202

Background



This preview shows how black text looks on a background with the Yxy color 38.8872, 0.2126, 0.2202.



This preview shows how white text looks on a background with the Yxy color 38.8872, 0.2126, 0.2202.

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

38.8872, 0.2126, 0.2202

Protanopia

38.7088, 0.2334, 0.2220

Deuteranopia

38.7034, 0.2232, 0.2168



Tritanopia

38.7523, 0.2308, 0.3057

Trichromacy



Original Color

38.8872, 0.2126, 0.2202

Protanomaly

38.7400, 0.2247, 0.2218

Deuteranomaly

38.8027, 0.2193, 0.2182

Tritanomaly

38.5650, 0.2232, 0.2707

Monochromacy



Original Color

38.8872, 0.2126, 0.2202

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.2789, 0.2658, 0.2852

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8872, 0.2126, 0.2202 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(97, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(97, 171, 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(97, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 171, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.8872, 0.2126, 0.2202 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(97, 171, 255) }
```

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

```
.border{ border-color:rgb(97, 171, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(97, 171,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8872, 0.2126, 0.2202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 171, 255) }
```

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

```
.background{ background-color: rgb(97, 171,  
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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