

Converting Colors

$Yxy(41.6235, 0.2123, 0.2305)$

Have a look what the booklet for
Yxy(41.6235, 0.2123, 0.2305)
contains.

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Color

Yxy(41.5840, 0.2121, 0.2304)

Conversions

Conversions Part 1

Format	Color
Hex	59B3FF
RGB	89, 179, 255
RGB Percent	35%, 70%, 100%
CMY	0.6515, 0.2980, 0.0000
CMYK	0.65, 0.30, 0.00, 0.00
HSL	207°, 100%, 67%
HSV	207°, 65%, 100%
XYZ	38.2811, 41.5840, 100.6210
YIQ	160.7540, -78.0360, 4.5560

Conversions

Conversions Part 2

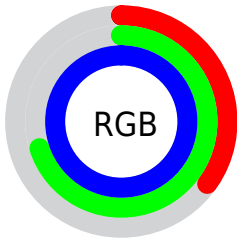
Format	Color
R _Y B	89, 147, 255
Decimal	5878783
CIE Lab	70.58, -3.95, -45.53
CIE LCh	71, 45.698, 265.035
Yxy	41.5840, 0.2121, 0.2304
Android (android.graphics.Color)	4284068863 (0xFF59B3FF)
YUV	160.7540, 46.4633, -62.9283
Hunter-Lab	64.4857, -6.8856, -47.3739

Details

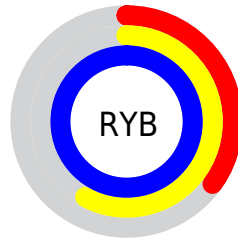
The Yxy color **41.5840, 0.2121, 0.2304** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **48.8386, 0.4660, 0.4030**, and the grayscale version is **35.3151, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4090, 0.2539, 0.3060**, and **19.2560, 0.1907, 0.2065** is the 20% darker color. If you saturate the color by 10%, you get **36.0567, 0.2002, 0.2123**, and if you desaturate by 10%, it is **47.9453, 0.2258, 0.2483**.

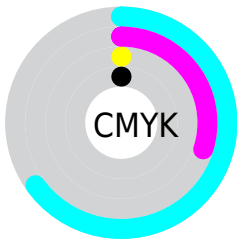
Distribution



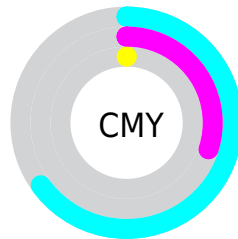
- Red (35%)
- Green (70%)
- Blue (100%)



- Red (35%)
- Yellow (58%)
- Blue (100%)



- Cyan (65%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (65%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.5840, 0.2121, 0.2304 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 41.5840, 0.2121, 0.2304 by changing the saturation by 10% instead.

41.5840, 0.2121,
0.2304

41.5840, 0.2121,
0.2304

352.7555, 0.2607,
0.2786

28.7757, 0.2008,
0.2191

77.5696, 0.2292,
0.2474

18.9112, 0.1869,
0.2050

101.5158, 0.2358,
0.2540

11.6061, 0.1695,
0.1873

129.9433, 0.2414,
0.2596

6.4761, 0.1472,
0.1644

163.2366, 0.2463,
0.2644

3.1367, 0.1184,
0.1344

201.7801, 0.2506,
0.2686

1.2035, 0.0816,
0.0954

245.9581, 0.2543,

0.0646, 0.0000,

0.2724

0.0115

296.1551, 0.2577,
0.2756

0.0000, 0.0000,
0.0000

41.5840, 0.2121,
0.2304

41.5840, 0.2121,
0.2304

36.0567, 0.2002,
0.2123

47.9453, 0.2258,
0.2483

31.3031, 0.1905,
0.1944

55.1876, 0.2408,
0.2655

27.2558, 0.1832,
0.1772

63.3568, 0.2566,
0.2818

25.5024, 0.1803,
0.1691

72.4943, 0.2728,
0.2969

82.6385, 0.2889,
0.3107

■ 93.8253, 0.3048,
0.3231

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.



41.5840, 0.1962, 0.2567



41.5840, 0.2121, 0.2304



41.5840, 0.2528, 0.2286

Triad

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



41.5840, 0.2121, 0.2304



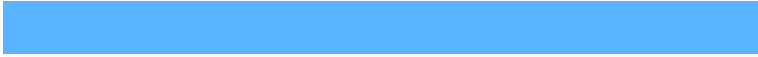
41.5840, 0.4313, 0.3310



41.5840, 0.3006, 0.4343

Complementary

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



41.5840, 0.2121, 0.2304



48.8386, 0.4660, 0.4030

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.



41.5840, 0.3648, 0.4502



41.5840, 0.2121, 0.2304



41.5840, 0.4442, 0.3813

Square

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



41.5840, 0.2121, 0.2304



41.5840, 0.3814, 0.2841



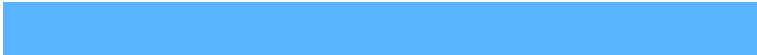
41.5840, 0.4181, 0.4262



41.5840, 0.2430, 0.3777

Rectangle

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



41.5840, 0.2121, 0.2304



41.5840, 0.2918, 0.2393



41.5840, 0.4181, 0.4262



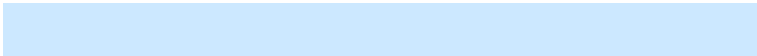
41.5840, 0.3221, 0.4448

Sweetspot

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



41.5850, 0.2121, 0.2304



77.5869, 0.2811, 0.3041



76.3048, 0.2736, 0.4487



16.0043, 0.2766, 0.3002



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.



41.5850, 0.2121, 0.2304



34.6239, 0.1972, 0.2072



17.9210, 0.1875, 0.1271



19.0110, 0.2979, 0.3179



13.6280, 0.1811, 0.1719



1.5455, 0.1864, 0.1912

Inverse Universe

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



31.6396, 0.4055, 0.2423



26.7793, 0.4336, 0.2352



88.3136, 0.4076, 0.4723



18.1520, 0.3209, 0.3162



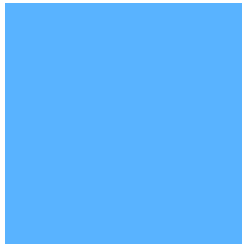
12.1037, 0.4784, 0.2409



1.2006, 0.4554, 0.2282

Previews

White Background



This preview shows how the Yxy color 41.5840, 0.2121, 0.2304 looks on a white background.

Color Contrast Check

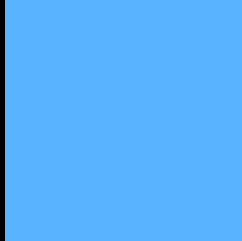
Large Text (above 18pt) WCAG AA × Fail

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 41.5840, 0.2121, 0.2304 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

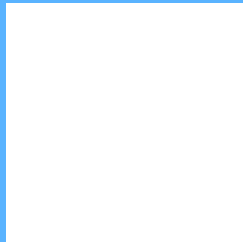
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.5840, 0.2121, 0.2304

Background



This preview shows how black text looks on a background with the Yxy color 41.5840, 0.2121, 0.2304.



This preview shows how white text looks on a background with the Yxy color 41.5840, 0.2121, 0.2304.

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

41.5840, 0.2121, 0.2304

Protanopia

41.2944, 0.2416, 0.2320

Deuteranopia

41.4142, 0.2304, 0.2248



Tritanopia

41.7155, 0.2273, 0.3062

Trichromacy



Original Color

41.5840, 0.2121, 0.2304

Protanomaly

41.2249, 0.2289, 0.2312

Deuteranomaly

41.3437, 0.2228, 0.2266

Tritanomaly

41.3652, 0.2208, 0.2745

Monochromacy



Original Color

41.5840, 0.2121, 0.2304

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

37.0963, 0.2645, 0.2899

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5840, 0.2121, 0.2304 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(89, 179, 255)` looks like.

```
.text, #text, p{  
    color:rgb(89, 179, 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(89, 179, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 179, 255) }
```

Border

The CSS property to change the border of an element to Yxy 41.5840, 0.2121, 0.2304 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(89, 179, 255) }
```

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

```
.border{ border-color:rgb(89, 179, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 179, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 179, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 179, 255);  
box-shadow:4px 4px 4px 4px rgb(89, 179,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5840, 0.2121, 0.2304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 179, 255) }
```

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

```
.background{ background-color: rgb(89, 179,  
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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