

Converting Colors

$Y_{xy}(45.1479, 0.2037, 0.1918)$

Have a look what the booklet for
Yxy(45.1479, 0.2037, 0.1918)
contains.

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Color

Yxy(41.8524, 0.2191, 0.2295)

Conversions

Conversions Part 1

Format	Color
Hex	6CB1FF
RGB	108, 177, 255
RGB Percent	42%, 69%, 100%
CMY	0.5763, 0.3059, 0.0001
CMYK	0.58, 0.31, 0.00, 0.00
HSL	212°, 100%, 71%
HSV	212°, 58%, 100%
XYZ	39.9558, 41.8524, 100.5552
YIQ	165.2610, -66.1620, 9.6300

Conversions

Conversions Part 2

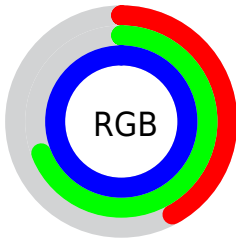
Format	Color
RYB	108, 155, 255
Decimal	7123455
CIELab	70.77, 0.55, -45.16
CIELCh	71, 45.167, 270.700
Yxy	41.8524, 0.2191, 0.2295
Android (android.graphics.Color)	4285313535 (0xFF6CB1FF)
YUV	165.2610, 44.2413, -50.2179
Hunter-Lab	64.6934, -2.9687, -46.8710

Details

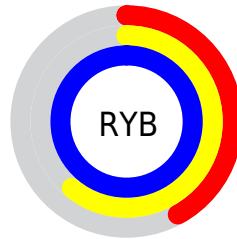
The Yxy color **41.8524, 0.2191, 0.2295** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **57.4612, 0.4361, 0.4075**, and the grayscale version is **37.5710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.2581, 0.2608, 0.3030**, and **19.1378, 0.1954, 0.2045** is the 20% darker color. If you saturate the color by 10%, you get **35.3986, 0.2048, 0.2085**, and if you desaturate by 10%, it is **49.3065, 0.2348, 0.2499**.

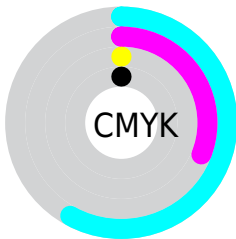
Distribution



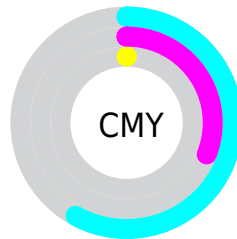
- Red (42%)
- Green (69%)
- Blue (100%)



- Red (42%)
- Yellow (61%)
- Blue (100%)



- Cyan (58%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (58%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.8524, 0.2191, 0.2295 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 41.8524, 0.2191, 0.2295 by changing the saturation by 10% instead.

■ 41.8524, 0.2191,
0.2295

■ 41.8524, 0.2191,
0.2295

■ 353.8707, 0.2645,
0.2777

■ 28.9857, 0.2085,
0.2182

■ 77.9762, 0.2351,
0.2465

■ 19.0700, 0.1953,
0.2043

■ 102.0021, 0.2413,
0.2530

■ 11.7209, 0.1787,
0.1867

■ 130.5166, 0.2466,
0.2586

■ 6.5539, 0.1573,
0.1641

■ 163.9039, 0.2512,
0.2635

■ 3.1847, 0.1293,
0.1346

■ 202.5487, 0.2551,
0.2677

■ 1.2289, 0.0927,
0.0962

■ 246.8351, 0.2587,

■ 0.0851, 0.0165,

0.2715

0.0149

297.1476, 0.2618,
0.2748

0.0000, 0.0000,
0.0000

41.8524, 0.2191,
0.2295

41.8524, 0.2191,
0.2295

35.3986, 0.2048,
0.2085

49.3065, 0.2348,
0.2499

29.8832, 0.1924,
0.1876

57.8082, 0.2514,
0.2693

25.2422, 0.1824,
0.1675

67.4064, 0.2682,
0.2873

21.3934, 0.1750,
0.1486

78.1452, 0.2848,
0.3038

20.5712, 0.1734,
0.1443

90.0658, 0.3009,
0.3187

99.9982, 0.3127,
0.3290

Harmonies

Analogous

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



41.8524, 0.1986, 0.2508



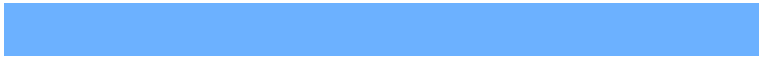
41.8524, 0.2191, 0.2295



41.8524, 0.2637, 0.2318

Triad

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



41.8524, 0.2191, 0.2295



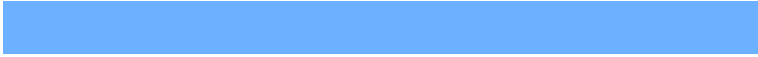
41.8524, 0.4352, 0.3404



41.8524, 0.2891, 0.4247

Complementary

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



41.8524, 0.2191, 0.2295



57.4612, 0.4361, 0.4075

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.



41.8524, 0.3526, 0.4490



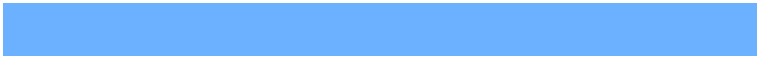
41.8524, 0.2191, 0.2295



41.8524, 0.4403, 0.3899

Square

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



41.8524, 0.2191, 0.2295



41.8524, 0.3918, 0.2928



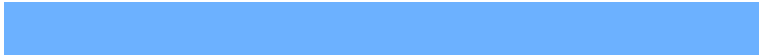
41.8524, 0.4085, 0.4316



41.8524, 0.2352, 0.3640

Rectangle

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



41.8524, 0.2191, 0.2295



41.8524, 0.3043, 0.2449



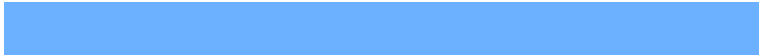
41.8524, 0.4085, 0.4316



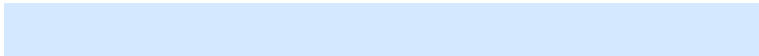
41.8524, 0.3100, 0.4378

Sweetspot

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



41.8539, 0.2191, 0.2295



78.8759, 0.2858, 0.3048



78.1514, 0.2713, 0.4191



16.3976, 0.2825, 0.3016



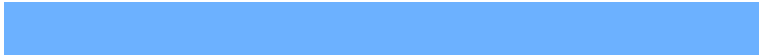
0.0000, 0.0000, 0.0000



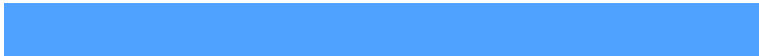
21.4041, 0.3127, 0.3290

Same Dimension

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



41.8539, 0.2191, 0.2295



34.5948, 0.2029, 0.2057



21.2988, 0.2016, 0.1436



18.7835, 0.2979, 0.3161



11.0446, 0.1743, 0.1473



1.2918, 0.1802, 0.1686

Inverse Universe

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



35.1630, 0.4033, 0.2601



29.4547, 0.4318, 0.2517



93.3785, 0.3935, 0.4663



18.1290, 0.3220, 0.3179



11.8429, 0.5095, 0.2580



1.1750, 0.4824, 0.2431

Previews

White Background



This preview shows how the Yxy color 41.8524, 0.2191, 0.2295 looks on a white background.

Color Contrast Check

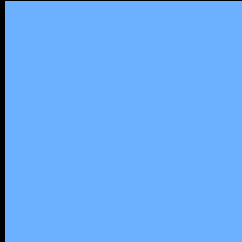
Large Text (above 18pt) WCAG AA × Fail

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 41.8524, 0.2191, 0.2295 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

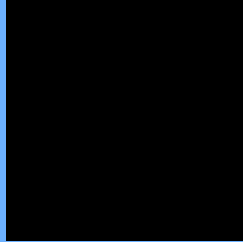
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

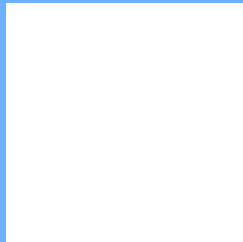
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.8524, 0.2191, 0.2295

Background



This preview shows how black text looks on a background with the Yxy color 41.8524, 0.2191, 0.2295.



This preview shows how white text looks on a background with the Yxy color 41.8524, 0.2191, 0.2295.

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

41.8524, 0.2191, 0.2295

Protanopia

41.7920, 0.2408, 0.2313

Deuteranopia

41.5801, 0.2315, 0.2251



Tritanopia

41.8312, 0.2372, 0.3066

Trichromacy



Original Color

41.8524, 0.2191, 0.2295

Protanomaly

41.8387, 0.2322, 0.2312

Deuteranomaly

41.5428, 0.2266, 0.2263

Tritanomaly

41.5203, 0.2301, 0.2753

Monochromacy



Original Color

41.8524, 0.2191, 0.2295

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.3824, 0.2694, 0.2881

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8524, 0.2191, 0.2295 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(108, 177, 255)` looks like.

```
.text, #text, p{  
    color:rgb(108, 177, 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(108, 177, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 177, 255) }
```

Border

The CSS property to change the border of an element to Yxy 41.8524, 0.2191, 0.2295 is called "border". The border property can be set on classes, ids or directly on the HTML element.

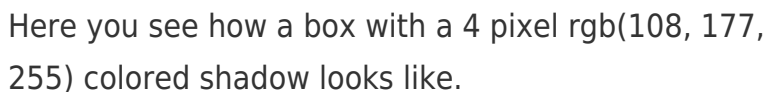
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(108, 177, 255) }
```

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

```
.border{ border-color:rgb(108, 177, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(108, 177, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 177, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 177, 255);  
box-shadow:4px 4px 4px 4px rgb(108, 177,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8524, 0.2191, 0.2295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 177, 255) }
```

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

```
.background{ background-color: rgb(108,  
177, 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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