

Converting Colors

$Yxy(46.4611, 0.2138, 0.2372)$

Have a look what the booklet for
Yxy(46.4611, 0.2138, 0.2372)
contains.

Yxy(45.8905, 0.2164, 0.2443)	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(45.8905, 0.2164, 0.2443)

Conversions

Conversions Part 1

Format	Color
Hex	5CBDFE
RGB	92, 189, 255
RGB Percent	36%, 74%, 100%
CMY	0.6396, 0.2587, 0.0001
CMYK	0.64, 0.26, 0.00, 0.00
HSL	204°, 100%, 68%
HSV	204°, 64%, 100%
XYZ	40.6496, 45.8905, 101.3047
YIQ	167.5210, -78.9980, -0.0380

Conversions

Conversions Part 2

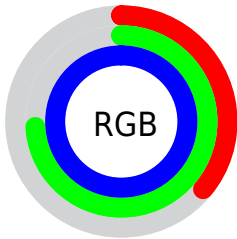
Format	Color
R _Y B	92, 153, 255
Decimal	6077951
CIE Lab	73.47, -8.95, -40.98
CIE LCh	73, 41.948, 257.676
Yxy	45.8905, 0.2164, 0.2443
Android (android.graphics.Color)	4284268031 (0xFF5CBDF5)
YUV	167.5210, 43.1271, -66.2319
Hunter-Lab	67.7425, -11.4386, -41.2447

Details

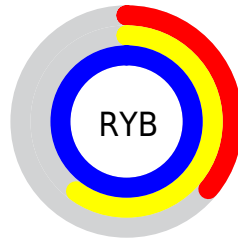
The Yxy color **45.8905, 0.2164, 0.2443** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **46.4294, 0.4694, 0.3937**, and the grayscale version is **38.7130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4934, 0.2566, 0.3176**, and **21.6855, 0.1953, 0.2229** is the 20% darker color. If you saturate the color by 10%, you get **40.5137, 0.2051, 0.2284**, and if you desaturate by 10%, it is **52.0275, 0.2295, 0.2599**.

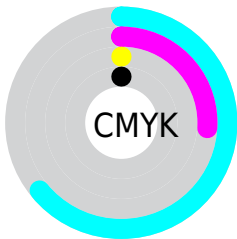
Distribution



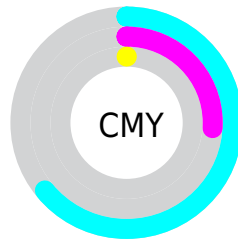
- Red (36%)
- Green (74%)
- Blue (100%)



- Red (36%)
- Yellow (60%)
- Blue (100%)



- Cyan (64%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (64%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8905, 0.2164, 0.2443 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 45.8905, 0.2164, 0.2443 by changing the saturation by 10% instead.

45.8905, 0.2164,
0.2443

45.8905, 0.2164,
0.2443

370.3682, 0.2623,
0.2858

32.1594, 0.2058,
0.2345

84.0551, 0.2324,
0.2590

21.4833, 0.1928,
0.2222

109.2574, 0.2387,
0.2647

13.4777, 0.1765,
0.2066

139.0522, 0.2440,
0.2695

7.7583, 0.1557,
0.1863

173.8240, 0.2486,
0.2736

3.9407, 0.1286,
0.1591

213.9571, 0.2527,
0.2773

1.6404, 0.0933,
0.1222

259.8359, 0.2563,

0.3846, 0.0238,

0.2805

0.0623

311.8448, 0.2595,
0.2833

■ 0.0000, 0.0000,
0.0000

■ 45.8905, 0.2164,
0.2443

■ 45.8905, 0.2164,
0.2443

■ 40.5137, 0.2051,
0.2284

■ 52.0275, 0.2295,
0.2599

■ 35.8393, 0.1959,
0.2125

■ 58.9661, 0.2439,
0.2749

■ 31.8056, 0.1889,
0.1970

■ 66.7495, 0.2592,
0.2890

■ 29.6284, 0.1856,
0.1879

■ 75.4161, 0.2750,
0.3022

■ 85.0010, 0.2909,
0.3142

95.5374, 0.3066,
0.3250

99.9987, 0.3127,
0.3290

Harmonies

Analogous

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



45.8905, 0.2077, 0.2745



45.8905, 0.2164, 0.2443



45.8905, 0.2482, 0.2369

Triad

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



45.8905, 0.2164, 0.2443



45.8905, 0.4097, 0.3207



45.8905, 0.3168, 0.4287

Complementary

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



45.8905, 0.2164, 0.2443



46.4294, 0.4694, 0.3937

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.



45.8905, 0.3733, 0.4344



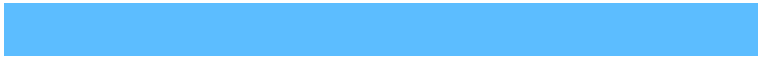
45.8905, 0.2164, 0.2443



45.8905, 0.4303, 0.3663

Square

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



45.8905, 0.2164, 0.2443



45.8905, 0.3598, 0.2796



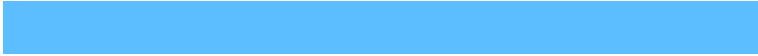
45.8905, 0.4157, 0.4083



45.8905, 0.2621, 0.3863

Rectangle

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



45.8905, 0.2164, 0.2443



45.8905, 0.2807, 0.2435



45.8905, 0.4157, 0.4083



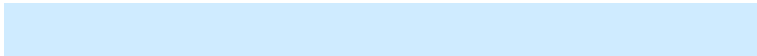
45.8905, 0.3363, 0.4349

Sweetspot

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



45.8921, 0.2164, 0.2443



80.0695, 0.2829, 0.3083



76.2152, 0.2775, 0.4572



16.5597, 0.2783, 0.3048



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.



45.8921, 0.2164, 0.2443



39.0287, 0.2021, 0.2235



20.2555, 0.1918, 0.1396



19.1768, 0.2979, 0.3191



15.7849, 0.1862, 0.1904



1.7514, 0.1911, 0.2078

Inverse Universe

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



32.5664, 0.3919, 0.2353



27.4704, 0.4161, 0.2260



83.5671, 0.4111, 0.4647



18.1687, 0.3200, 0.3149



12.3215, 0.4563, 0.2287



1.2214, 0.4365, 0.2178

Previews

White Background



This preview shows how the Yxy color 45.8905, 0.2164, 0.2443 looks on a white background.

Color Contrast Check

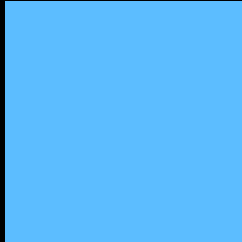
Large Text (above 18pt) WCAG AA × Fail

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 45.8905, 0.2164, 0.2443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

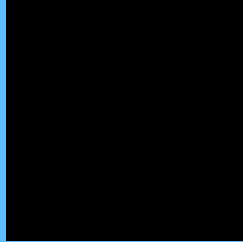
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

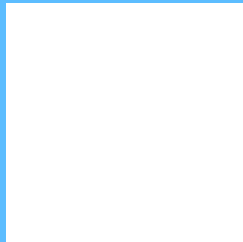
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.8905, 0.2164, 0.2443

Background



This preview shows how black text looks on a background with the Yxy color 45.8905, 0.2164, 0.2443.



This preview shows how white text looks on a background with the Yxy color 45.8905, 0.2164, 0.2443.

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

45.8905, 0.2164, 0.2443

Protanopia

45.4078, 0.2519, 0.2460

Deuteranopia

45.5448, 0.2411, 0.2359



Tritanopia

46.0387, 0.2292, 0.3058

Trichromacy



Original Color

45.8905, 0.2164, 0.2443

Protanomaly

45.0382, 0.2362, 0.2439

Deuteranomaly

45.3430, 0.2304, 0.2384

Tritanomaly

45.8047, 0.2241, 0.2818

Monochromacy



Original Color

45.8905, 0.2164, 0.2443

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

40.3589, 0.2666, 0.2952

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8905, 0.2164, 0.2443 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(92, 189, 255)` looks like.

```
.text, #text, p{  
    color:rgb(92, 189, 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(92, 189, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 189, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.8905, 0.2164, 0.2443 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(92, 189, 255) }
```

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

```
.border{ border-color:rgb(92, 189, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 189, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 189, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 189, 255);  
box-shadow:4px 4px 4px 4px rgb(92, 189,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8905, 0.2164, 0.2443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 189, 255) }
```

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

```
.background{ background-color: rgb(92, 189,  
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