

Converting Colors

$Y_{xy}(46.9973, 0.2140, 0.2364)$

Have a look what the booklet for
Yxy(46.9973, 0.2140, 0.2364)
contains.

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Color

Yxy(46.4266, 0.2175, 0.2458)

Conversions

Conversions Part 1

Format	Color
Hex	5EBEFF
RGB	94, 190, 255
RGB Percent	37%, 75%, 100%
CMY	0.6310, 0.2549, 0.0001
CMYK	0.63, 0.25, 0.00, 0.00
HSL	204°, 100%, 68%
HSV	204°, 63%, 100%
XYZ	41.0813, 46.4266, 101.3717
YIQ	168.7060, -78.0810, -0.1370

Conversions

Conversions Part 2

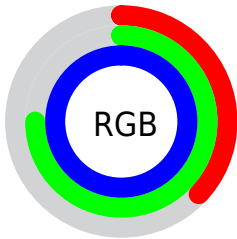
Format	Color
R _Y B	94, 154, 255
Decimal	6209279
CIE Lab	73.82, -9.12, -40.43
CIE LCh	74, 41.442, 257.286
Yxy	46.4266, 0.2175, 0.2458
Android (android.graphics.Color)	4284399359 (0xFF5EBEFF)
YUV	168.7060, 42.5429, -65.5172
Hunter-Lab	68.1371, -11.6184, -40.5134

Details

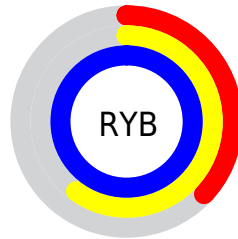
The Yxy color **46.4266, 0.2175, 0.2458** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **46.8804, 0.4667, 0.3931**, and the grayscale version is **39.3503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2996, 0.2577, 0.3188**, and **21.9685, 0.1958, 0.2247** is the 20% darker color. If you saturate the color by 10%, you get **40.9901, 0.2060, 0.2299**, and if you desaturate by 10%, it is **52.6265, 0.2307, 0.2613**.

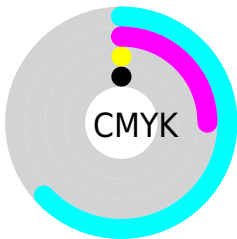
Distribution



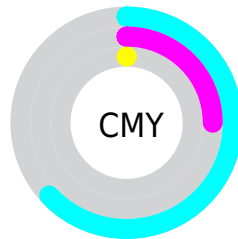
- Red (37%)
- Green (75%)
- Blue (100%)



- Red (37%)
- Yellow (60%)
- Blue (100%)



- Cyan (63%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (63%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.4266, 0.2175, 0.2458 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 46.4266, 0.2175, 0.2458 by changing the saturation by 10% instead.

■ 46.4266, 0.2175,
0.2458

■ 46.4266, 0.2175,
0.2458

■ 372.5211, 0.2628,
0.2865

■ 32.5826, 0.2071,
0.2361

■ 84.8571, 0.2333,
0.2603

■ 21.8069, 0.1942,
0.2241

■ 110.2123, 0.2395,
0.2658

■ 13.7151, 0.1781,
0.2088

■ 140.1735, 0.2448,
0.2705

■ 7.9228, 0.1575,
0.1888

■ 175.1249, 0.2493,
0.2746

■ 4.0456, 0.1307,
0.1620

■ 215.4510, 0.2533,
0.2782

■ 1.6991, 0.0957,
0.1255

■ 261.5361, 0.2569,

■ 0.4231, 0.0287,

0.2813

0.0677

313.7647, 0.2600,
0.2841

0.0000, 0.0000,
0.0000

46.4266, 0.2175,
0.2458

46.4266, 0.2175,
0.2458

40.9901, 0.2060,
0.2299

52.6265, 0.2307,
0.2613

36.2601, 0.1966,
0.2141

59.6309, 0.2452,
0.2763

32.1758, 0.1895,
0.1986

67.4825, 0.2606,
0.2903

29.6731, 0.1856,
0.1882

76.2192, 0.2764,
0.3033

85.8761, 0.2923,
0.3152

96.4862, 0.3079,
0.3259

99.9976, 0.3127,
0.3290

Harmonies

Analogous

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



46.4266, 0.2092, 0.2760



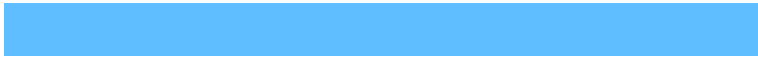
46.4266, 0.2175, 0.2458



46.4266, 0.2487, 0.2382

Triad

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



46.4266, 0.2175, 0.2458



46.4266, 0.4077, 0.3203



46.4266, 0.3176, 0.4273

Complementary

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



46.4266, 0.2175, 0.2458



46.8804, 0.4667, 0.3931

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.



46.4266, 0.3731, 0.4325



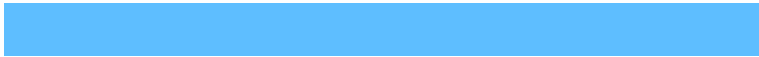
46.4266, 0.2175, 0.2458



46.4266, 0.4285, 0.3653

Square

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



46.4266, 0.2175, 0.2458



46.4266, 0.3583, 0.2799



46.4266, 0.4146, 0.4067



46.4266, 0.2636, 0.3861

Rectangle

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



46.4266, 0.2175, 0.2458



46.4266, 0.2806, 0.2445



46.4266, 0.4146, 0.4067



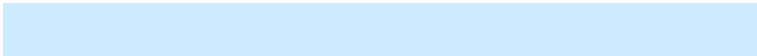
46.4266, 0.3368, 0.4332

Sweetspot

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



46.4282, 0.2175, 0.2458



80.0859, 0.2829, 0.3083



76.3651, 0.2776, 0.4551



16.5637, 0.2784, 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.



46.4282, 0.2175, 0.2458



39.5579, 0.2031, 0.2253



20.7938, 0.1934, 0.1423



19.1787, 0.2979, 0.3192



15.8105, 0.1863, 0.1906



1.7539, 0.1911, 0.2080

Inverse Universe

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



32.9931, 0.3903, 0.2361



27.7826, 0.4141, 0.2263



83.7235, 0.4100, 0.4634



18.1689, 0.3200, 0.3149



12.3240, 0.4560, 0.2286



1.2216, 0.4363, 0.2177

Previews

White Background



This preview shows how the Yxy color 46.4266, 0.2175, 0.2458 looks on a white background.

Color Contrast Check

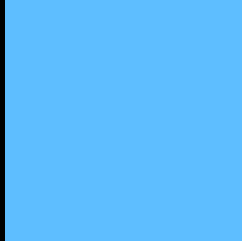
Large Text (above 18pt) WCAG AA × Fail

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 46.4266, 0.2175, 0.2458 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

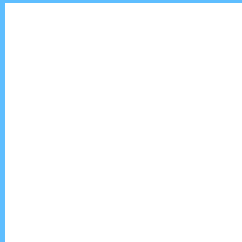
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.4266, 0.2175, 0.2458

Background



This preview shows how black text looks on a background with the Yxy color 46.4266, 0.2175, 0.2458.



This preview shows how white text looks on a background with the Yxy color 46.4266, 0.2175, 0.2458.

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

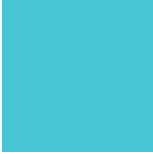
46.4266, 0.2175, 0.2458

Protanopia

46.0717, 0.2528, 0.2465

Deuteranopia

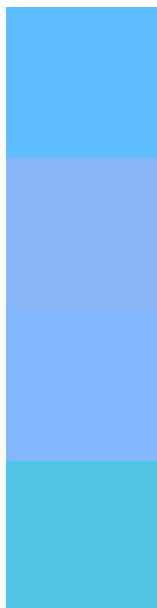
46.1356, 0.2425, 0.2375



Tritanopia

46.6597, 0.2300, 0.3059

Trichromacy



Original Color

46.4266, 0.2175, 0.2458

Protanomaly

45.6138, 0.2375, 0.2454

Deuteranomaly

45.9123, 0.2317, 0.2399

Tritanomaly

46.4367, 0.2251, 0.2821

Monochromacy



Original Color

46.4266, 0.2175, 0.2458

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

41.3652, 0.2677, 0.2969

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4266, 0.2175, 0.2458 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(94, 190, 255)` looks like.

```
.text, #text, p{  
    color:rgb(94, 190, 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(94, 190, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 190, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.4266, 0.2175, 0.2458 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(94, 190, 255) }
```

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

```
.border{ border-color:rgb(94, 190, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 190, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 190, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 190, 255);  
box-shadow:4px 4px 4px 4px rgb(94, 190,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4266, 0.2175, 0.2458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 190, 255) }
```

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

```
.background{ background-color: rgb(94, 190,  
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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