

Converting Colors

$Yxy(46.4129, 0.2147, 0.2465)$

Have a look what the booklet for
Yxy(46.4129, 0.2147, 0.2465)
contains.

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Color

Yxy(46.4129, 0.2147, 0.2465)

Conversions

Conversions Part 1

Format	Color
Hex	55BFFF
RGB	85, 191, 255
RGB Percent	33%, 75%, 100%
CMY	0.6669, 0.2510, 0.0000
CMYK	0.67, 0.25, 0.00, 0.00
HSL	203°, 100%, 67%
HSV	203°, 67%, 100%
XYZ	40.4254, 46.4129, 101.4494
YIQ	166.6020, -83.7200, -2.5680

Conversions

Conversions Part 2

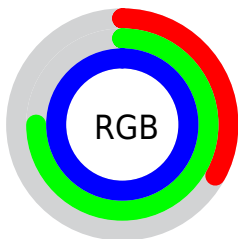
Format	Color
R _Y B	85, 150, 255
Decimal	5619711
CIE Lab	73.81, -11.11, -40.49
CIE LCh	74, 41.987, 254.663
Yxy	46.4129, 0.2147, 0.2465
Android (android.graphics.Color)	4283809791 (0xFF55BFFF)
YUV	166.6020, 43.5802, -71.5650
Hunter-Lab	68.1270, -13.3036, -40.6011

Details

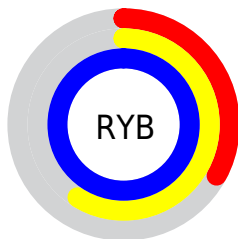
The Yxy color **46.4129, 0.2147, 0.2465** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **43.3932, 0.4824, 0.3904**, and the grayscale version is **38.2494, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2256, 0.2547, 0.3198**, and **22.2542, 0.1963, 0.2265** is the 20% darker color. If you saturate the color by 10%, you get **41.3784, 0.2044, 0.2318**, and if you desaturate by 10%, it is **52.1524, 0.2269, 0.2611**.

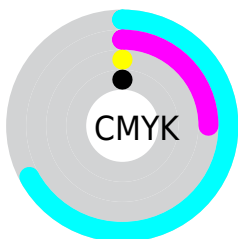
Distribution



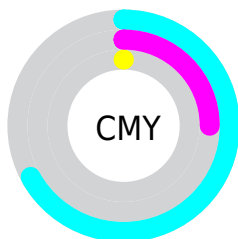
- Red (33%)
- Green (75%)
- Blue (100%)



- Red (33%)
- Yellow (59%)
- Blue (100%)



- Cyan (67%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (67%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.4129, 0.2147, 0.2465 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 46.4129, 0.2147, 0.2465 by changing the saturation by 10% instead.

46.4129, 0.2147,
0.2465

46.4129, 0.2147,
0.2465

372.4662, 0.2613,
0.2870

32.5718, 0.2040,
0.2369

84.8366, 0.2309,
0.2609

21.7986, 0.1909,
0.2248

110.1880, 0.2372,
0.2664

13.7090, 0.1745,
0.2095

140.1449, 0.2427,
0.2711

7.9185, 0.1535,
0.1894

175.0917, 0.2474,
0.2752

4.0429, 0.1264,
0.1625

215.4128, 0.2515,
0.2787

1.6976, 0.0912,
0.1258

261.4927, 0.2551,

0.4221, 0.0209,

0.2818

0.0679

313.7157, 0.2584,
0.2846

0.0000, 0.0000,
0.0000

46.4129, 0.2147,
0.2465

46.4129, 0.2147,
0.2465

41.3784, 0.2044,
0.2318

52.1524, 0.2269,
0.2611

36.9933, 0.1962,
0.2171

58.6418, 0.2406,
0.2751

33.1917, 0.1901,
0.2028

65.9233, 0.2554,
0.2884

32.0286, 0.1884,
0.1981

74.0346, 0.2709,
0.3009

83.0106, 0.2866,
0.3123

■ 92.8839, 0.3024,
0.3227

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.



46.4129, 0.2084, 0.2790



46.4129, 0.2147, 0.2465



46.4129, 0.2442, 0.2369

Triad

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



46.4129, 0.2147, 0.2465



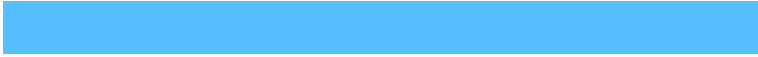
46.4129, 0.4055, 0.3163



46.4129, 0.3227, 0.4307

Complementary

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



46.4129, 0.2147, 0.2465



43.3932, 0.4824, 0.3904

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.



46.4129, 0.3783, 0.4326



46.4129, 0.2147, 0.2465



46.4129, 0.4296, 0.3616

Square

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



46.4129, 0.2147, 0.2465



46.4129, 0.3537, 0.2761



46.4129, 0.4183, 0.4043



46.4129, 0.2672, 0.3917

Rectangle

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



46.4129, 0.2147, 0.2465



46.4129, 0.2755, 0.2422



46.4129, 0.4183, 0.4043



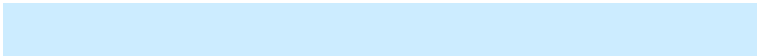
46.4129, 0.3420, 0.4356

Sweetspot

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



46.4134, 0.2147, 0.2465



79.9373, 0.2814, 0.3086



75.5652, 0.2794, 0.4714



16.5684, 0.2770, 0.3054



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.



46.4134, 0.2147, 0.2465



39.8557, 0.2014, 0.2269



19.7955, 0.1884, 0.1376



19.2653, 0.2979, 0.3198



17.0323, 0.1890, 0.2005



1.8687, 0.1935, 0.2167

Inverse Universe

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



31.5115, 0.3907, 0.2284



26.8512, 0.4135, 0.2199



79.8127, 0.4180, 0.4644



18.1776, 0.3196, 0.3143



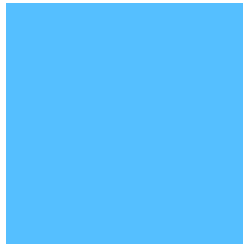
12.4474, 0.4448, 0.2224



1.2332, 0.4268, 0.2125

Previews

White Background



This preview shows how the Yxy color 46.4129, 0.2147, 0.2465 looks on a white background.

Color Contrast Check

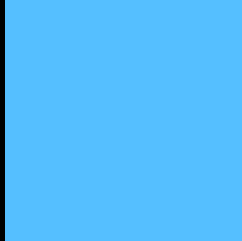
Large Text (above 18pt) WCAG AA × Fail

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 46.4129, 0.2147, 0.2465 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

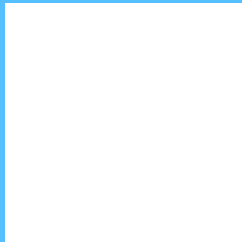
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.4129, 0.2147, 0.2465

Background



This preview shows how black text looks on a background with the Yxy color 46.4129, 0.2147, 0.2465.



This preview shows how white text looks on a background with the Yxy color 46.4129, 0.2147, 0.2465.

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

46.4129, 0.2147, 0.2465

Protanopia

46.0104, 0.2534, 0.2475

Deuteranopia

46.1356, 0.2425, 0.2375



Tritanopia

46.2866, 0.2261, 0.3044

Trichromacy



Original Color

46.4129, 0.2147, 0.2465

Protanomaly

45.6931, 0.2356, 0.2463

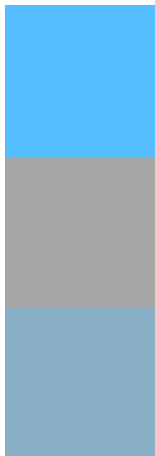
Deuteranomaly

45.6762, 0.2302, 0.2396

Tritanomaly

46.0455, 0.2212, 0.2804

Monochromacy



Original Color

46.4129, 0.2147, 0.2465

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

40.4926, 0.2647, 0.2965

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4129, 0.2147, 0.2465 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(85, 191, 255)` looks like.

```
.text, #text, p{  
    color:rgb(85, 191, 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(85, 191, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 191, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.4129, 0.2147, 0.2465 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(85, 191, 255) }
```

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

```
.border{ border-color:rgb(85, 191, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 191, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 191, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 191, 255);  
box-shadow:4px 4px 4px 4px rgb(85, 191,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4129, 0.2147, 0.2465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 191, 255) }
```

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

```
.background{ background-color: rgb(85, 191,  
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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