

Converting Colors

$Y_{xy}(46.1455, 0.2129, 0.2462)$

Have a look what the booklet for
Yxy(46.1455, 0.2129, 0.2462)
contains.

Yxy(46.1439, 0.2129, 0.2462)	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(46.1439, 0.2129, 0.2462)

Conversions

Conversions Part 1

Format	Color
Hex	4FBFFF
RGB	79, 191, 255
RGB Percent	31%, 75%, 100%
CMY	0.6900, 0.2510, 0.0002
CMYK	0.69, 0.25, 0.00, 0.00
HSL	202°, 100%, 65%
HSV	202°, 69%, 100%
XYZ	39.9027, 46.1439, 101.3779
YIQ	164.8080, -87.2960, -3.8400

Conversions

Conversions Part 2

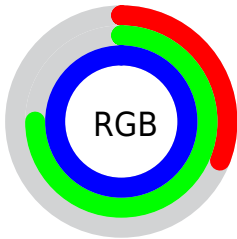
Format	Color
R_{YB}	79, 147, 255
Decimal	5226495
CIE _{Lab}	73.64, -11.98, -40.75
CIE _{LCh}	74, 42.471, 253.610
Yxy	46.1439, 0.2129, 0.2462
Android (android.graphics.Color)	4283416575 (0xFF4FBFFF)
YUV	164.8080, 44.4647, -75.2536
Hunter-Lab	67.9293, -14.0228, -40.9341

Details

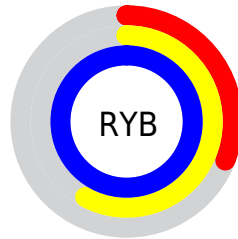
The Yxy color **46.1439, 0.2129, 0.2462** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **41.4655, 0.4923, 0.3891**, and the grayscale version is **37.3513, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8525, 0.2530, 0.3198**, and **22.2542, 0.1963, 0.2265** is the 20% darker color. If you saturate the color by 10%, you get **41.3368, 0.2032, 0.2320**, and if you desaturate by 10%, it is **51.6292, 0.2245, 0.2603**.

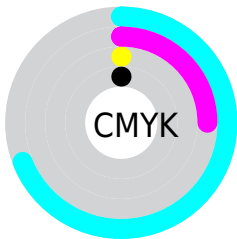
Distribution



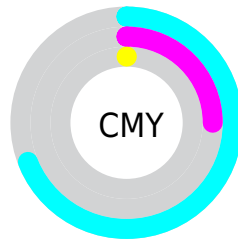
- Red (31%)
- Green (75%)
- Blue (100%)



- Red (31%)
- Yellow (58%)
- Blue (100%)



- Cyan (69%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (69%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.1439, 0.2129, 0.2462 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 46.1439, 0.2129, 0.2462 by changing the saturation by 10% instead.

■ 46.1439, 0.2129,
0.2462

■ 46.1439, 0.2129,
0.2462

■ 371.3869, 0.2603,
0.2870

■ 32.3594, 0.2020,
0.2365

■ 84.4343, 0.2294,
0.2607

■ 21.6362, 0.1887,
0.2244

■ 109.7090, 0.2358,
0.2663

■ 13.5898, 0.1720,
0.2089

■ 139.5826, 0.2414,
0.2710

■ 7.8359, 0.1508,
0.1886

■ 174.4394, 0.2461,
0.2751

■ 3.9901, 0.1234,
0.1615

■ 214.6638, 0.2503,
0.2786

■ 1.6680, 0.0881,
0.1245

■ 260.6403, 0.2541,

■ 0.4028, 0.0147,

0.2818

0.0656

312.7532, 0.2573,
0.2845

0.0000, 0.0000,
0.0000

46.1439, 0.2129,
0.2462

46.1439, 0.2129,
0.2462

41.3368, 0.2032,
0.2320

51.6292, 0.2245,
0.2603

37.1475, 0.1957,
0.2179

57.8352, 0.2377,
0.2739

33.4977, 0.1902,
0.2041

64.8057, 0.2522,
0.2870

33.1509, 0.1897,
0.2028

72.5786, 0.2674,
0.2991

81.1890, 0.2830,
0.3104

■ 90.6696, 0.2987,
0.3206

99.9975, 0.3127,
0.3290

Harmonies

Analogous

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



46.1439, 0.2074, 0.2798



46.1439, 0.2129, 0.2462



46.1439, 0.2419, 0.2358

Triad

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



46.1439, 0.2129, 0.2462



46.1439, 0.4053, 0.3145



46.1439, 0.3248, 0.4329

Complementary

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



46.1439, 0.2129, 0.2462



41.4655, 0.4923, 0.3891

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.



46.1439, 0.3808, 0.4334



46.1439, 0.2129, 0.2462



46.1439, 0.4309, 0.3603

Square

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



46.1439, 0.2129, 0.2462



46.1439, 0.3521, 0.2743



46.1439, 0.4206, 0.4038



46.1439, 0.2684, 0.3945

Rectangle

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



46.1439, 0.2129, 0.2462



46.1439, 0.2731, 0.2407



46.1439, 0.4206, 0.4038



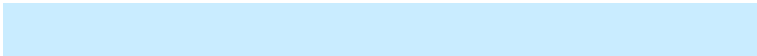
46.1439, 0.3443, 0.4373

Sweetspot

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



46.1455, 0.2129, 0.2462



79.4208, 0.2799, 0.3082



75.0717, 0.2804, 0.4810



16.4821, 0.2756, 0.3052



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.



46.1455, 0.2129, 0.2462



39.6013, 0.1999, 0.2263



19.0746, 0.1853, 0.1340



19.3056, 0.2980, 0.3201



17.6219, 0.1903, 0.2050



1.9237, 0.1947, 0.2207

Inverse Universe

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



30.6139, 0.3916, 0.2244



26.2296, 0.4147, 0.2169



77.6217, 0.4228, 0.4653



18.1817, 0.3194, 0.3140



12.5069, 0.4396, 0.2196



1.2387, 0.4225, 0.2101

Previews

White Background



This preview shows how the Yxy color 46.1439, 0.2129, 0.2462 looks on a white background.

Color Contrast Check

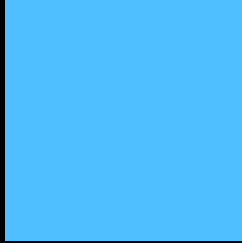
Large Text (above 18pt) WCAG AA × Fail

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 46.1439, 0.2129, 0.2462 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

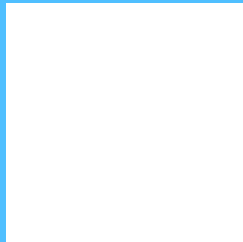
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.1439, 0.2129, 0.2462

Background



This preview shows how black text looks on a background with the Yxy color 46.1439, 0.2129, 0.2462.

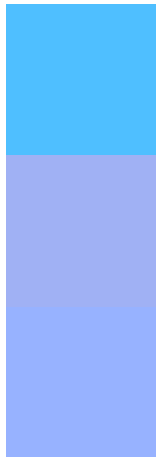


This preview shows how white text looks on a background with the Yxy color 46.1439, 0.2129, 0.2462.

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

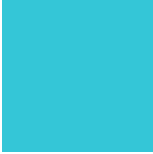
46.1439, 0.2129, 0.2462

Protanopia

45.4495, 0.2531, 0.2471

Deuteranopia

45.6401, 0.2417, 0.2361



Tritanopia

46.0245, 0.2239, 0.3042

Trichromacy



Original Color

46.1439, 0.2129, 0.2462

Protanomaly

45.0585, 0.2347, 0.2458

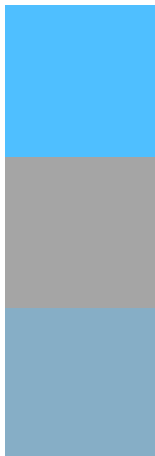
Deuteranomaly

45.4469, 0.2287, 0.2392

Tritanomaly

45.7675, 0.2190, 0.2802

Monochromacy



Original Color

46.1439, 0.2129, 0.2462

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

39.4177, 0.2629, 0.2947

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1439, 0.2129, 0.2462 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(79, 191, 255)` looks like.

```
.text, #text, p{  
    color:rgb(79, 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(79, 191, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 191, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.1439, 0.2129, 0.2462 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(79, 191, 255) }
```

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

```
.border{ border-color:rgb(79, 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(79, 191, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 191, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 191, 255);  
box-shadow:4px 4px 4px 4px rgb(79, 191,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1439, 0.2129, 0.2462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 191, 255) }
```

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

```
.background{ background-color: rgb(79, 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](#).

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