

Converting Colors

$Yxy(47.9307, 0.2077, 0.2338)$

Have a look what the booklet for
Yxy(47.9307, 0.2077, 0.2338)
contains.

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Color

Yxy(46.8964, 0.2127, 0.2487)

Conversions

Conversions Part 1

Format	Color
Hex	4CC1FF
RGB	76, 193, 255
RGB Percent	30%, 76%, 100%
CMY	0.7016, 0.2432, 0.0000
CMYK	0.70, 0.24, 0.00, 0.00
HSL	201°, 100%, 65%
HSV	201°, 70%, 100%
XYZ	40.1080, 46.8964, 101.5617
YIQ	165.0850, -89.6340, -5.5220

Conversions

Conversions Part 2

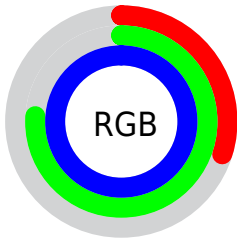
Format	Color
R_{YB}	76, 147, 255
Decimal	5030399
CIE _{Lab}	74.12, -13.43, -40.03
CIE _{LCh}	74, 42.221, 251.450
Yxy	46.8964, 0.2127, 0.2487
Android (android.graphics.Color)	4283220479 (0xFF4CC1FF)
YUV	165.0850, 44.3281, -78.1275
Hunter-Lab	68.4809, -15.2975, -39.9943

Details

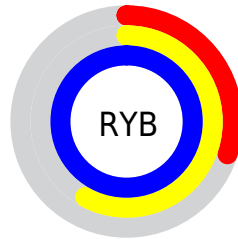
The Yxy color **46.8964, 0.2127, 0.2487** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed cyan. A complement of this color would be **39.9909, 0.4991, 0.3864**, and the grayscale version is **37.4975, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9007, 0.2525, 0.3220**, and **22.8334, 0.1973, 0.2302** is the 20% darker color. If you saturate the color by 10%, you get **42.2580, 0.2035, 0.2352**, and if you desaturate by 10%, it is **52.1827, 0.2239, 0.2621**.

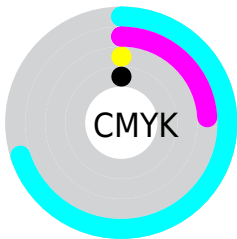
Distribution



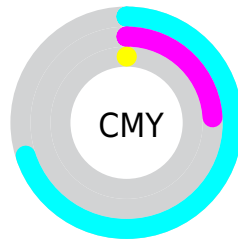
- Red (30%)
- Green (76%)
- Blue (100%)



- Red (30%)
- Yellow (58%)
- Blue (100%)



- Cyan (70%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)





- Cyan (70%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8964, 0.2127, 0.2487 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 46.8964, 0.2127, 0.2487 by changing the saturation by 10% instead.


 46.8964, 0.2127,
0.2487

 46.8964, 0.2127,
0.2487


374.4008, 0.2601,
0.2883


 32.9538, 0.2019,
0.2392


 85.5590, 0.2292,
0.2628


 22.0910, 0.1886,
0.2274


 111.0477, 0.2356,
0.2682

 13.9238, 0.1720,
0.2123


 141.1539, 0.2411,
0.2728

 8.0677, 0.1509,
0.1925

 176.2619, 0.2459,
0.2768

 4.1383, 0.1237,
0.1659

216.7563, 0.2501,
0.2802

 1.7512, 0.0886,
0.1294

263.0213, 0.2538,

 0.4565, 0.0170,

0.2832

0.0731

315.4413, 0.2571,
0.2859

■ 0.0000, 0.0000,
0.0000

■ 46.8964, 0.2127,
0.2487

■ 46.8964, 0.2127,
0.2487

■ 42.2580, 0.2035,
0.2352

■ 52.1827, 0.2239,
0.2621

■ 38.2105, 0.1965,
0.2218

■ 58.1636, 0.2367,
0.2751

■ 34.7166, 0.1914,
0.2090

■ 64.8813, 0.2508,
0.2876

■ 72.3737, 0.2658,
0.2993

■ 80.6757, 0.2813,
0.3101

■ 89.8194, 0.2969,
0.3200

99.8353, 0.3125,
0.3289

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.



46.8964, 0.2090, 0.2837



46.8964, 0.2127, 0.2487



46.8964, 0.2399, 0.2367

Triad

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



46.8964, 0.2127, 0.2487



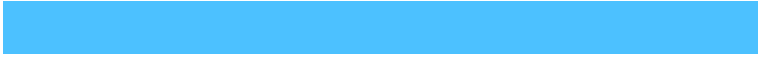
46.8964, 0.4012, 0.3116



46.8964, 0.3289, 0.4330

Complementary

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



46.8964, 0.2127, 0.2487



39.9909, 0.4991, 0.3864

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.



46.8964, 0.3837, 0.4310



46.8964, 0.2127, 0.2487



46.8964, 0.4289, 0.3568

Square

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



46.8964, 0.2127, 0.2487



46.8964, 0.3474, 0.2723



46.8964, 0.4213, 0.4003



46.8964, 0.2726, 0.3974

Rectangle

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



46.8964, 0.2127, 0.2487



46.8964, 0.2698, 0.2406



46.8964, 0.4213, 0.4003



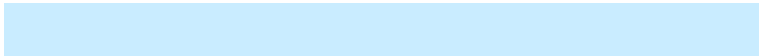
46.8964, 0.3482, 0.4364

Sweetspot

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



46.8967, 0.2127, 0.2487



79.9441, 0.2800, 0.3092



74.8305, 0.2815, 0.4879



16.6071, 0.2756, 0.3063



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.



46.8967, 0.2127, 0.2487



40.6362, 0.2006, 0.2300



19.0512, 0.1842, 0.1340



19.3593, 0.2980, 0.3206



18.4301, 0.1920, 0.2111



1.9988, 0.1961, 0.2261

Inverse Universe

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



30.2924, 0.3895, 0.2207



26.1583, 0.4110, 0.2136



75.7327, 0.4264, 0.4644



18.1871, 0.3191, 0.3136



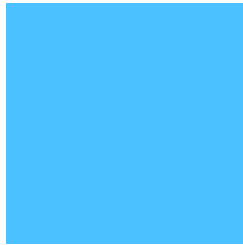
12.5885, 0.4329, 0.2158



1.2463, 0.4167, 0.2069

Previews

White Background



This preview shows how the Yxy color 46.8964, 0.2127, 0.2487 looks on a white background.

Color Contrast Check

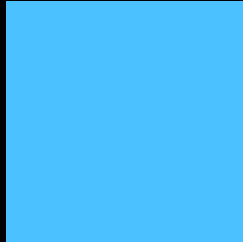
Large Text (above 18pt) WCAG AA × Fail

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 46.8964, 0.2127, 0.2487 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

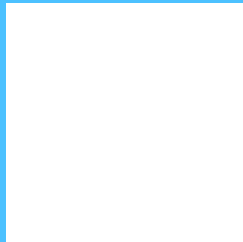
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.8964, 0.2127, 0.2487

Background



This preview shows how black text looks on a background with the Yxy color 46.8964, 0.2127, 0.2487.



This preview shows how white text looks on a background with the Yxy color 46.8964, 0.2127, 0.2487.

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

46.8964, 0.2127, 0.2487

Protanopia

46.4532, 0.2548, 0.2499

Deuteranopia

46.2325, 0.2431, 0.2376



Tritanopia

46.8948, 0.2234, 0.3058

Trichromacy



Original Color

46.8964, 0.2127, 0.2487

Protanomaly

45.8836, 0.2352, 0.2484

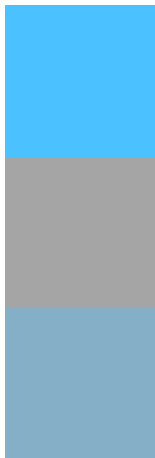
Deuteranomaly

45.8610, 0.2289, 0.2405

Tritanomaly

46.5452, 0.2188, 0.2830

Monochromacy



Original Color

46.8964, 0.2127, 0.2487

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

39.7237, 0.2623, 0.2961

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8964, 0.2127, 0.2487 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(76, 193, 255)` looks like.

```
.text, #text, p{  
    color:rgb(76, 193, 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(76, 193, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 193, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.8964, 0.2127, 0.2487 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(76, 193, 255) }
```

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

```
.border{ border-color:rgb(76, 193, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 193, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 193, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 193, 255);  
box-shadow:4px 4px 4px 4px rgb(76, 193,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8964, 0.2127, 0.2487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 193, 255) }
```

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

```
.background{ background-color: rgb(76, 193,  
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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