

Converting Colors

$Yxy(46.8070, 0.2105, 0.2491)$

Have a look what the booklet for
Yxy(46.8070, 0.2105, 0.2491)
contains.

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Color

Yxy(46.9969, 0.2107, 0.2497)

Conversions

Conversions Part 1

Format	Color
Hex	43C2FF
RGB	67, 194, 255
RGB Percent	26%, 76%, 100%
CMY	0.7369, 0.2392, 0.0001
CMYK	0.74, 0.24, 0.00, 0.00
HSL	199°, 100%, 63%
HSV	199°, 74%, 100%
XYZ	39.6566, 46.9969, 101.5600
YIQ	162.9810, -95.2730, -7.9530

Conversions

Conversions Part 2

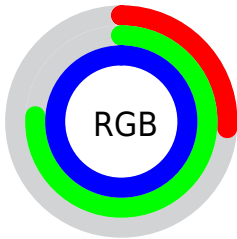
Format	Color
R _{YB}	67, 143, 255
Decimal	4440831
CIE _{Lab}	74.19, -15.12, -39.92
CIE _{LCh}	74, 42.684, 249.252
Y _{xy}	46.9969, 0.2107, 0.2497
Android (android.graphics.Color)	4282630911 (0xFF43C2FF)
YUV	162.9810, 45.3654, -84.1753
Hunter-Lab	68.5543, -16.7132, -39.8474

Details

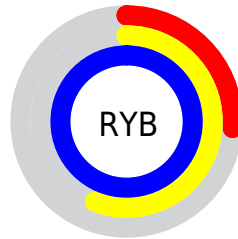
The Yxy color **46.9969, 0.2107, 0.2497** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed cyan. A complement of this color would be **37.1161, 0.5155, 0.3829**, and the grayscale version is **36.4453, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9945, 0.2502, 0.3231**, and **22.8334, 0.1973, 0.2302** is the 20% darker color. If you saturate the color by 10%, you get **42.7044, 0.2026, 0.2371**, and if you desaturate by 10%, it is **51.8942, 0.2208, 0.2622**.

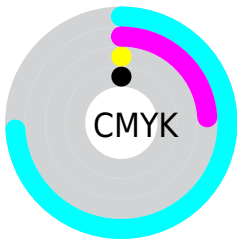
Distribution



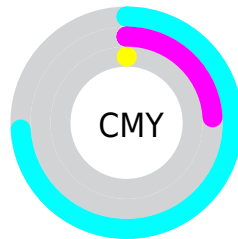
- Red (26%)
- Green (76%)
- Blue (100%)



- Red (26%)
- Yellow (56%)
- Blue (100%)



- Cyan (74%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)




- Cyan (74%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9969, 0.2107, 0.2497 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 46.9969, 0.2107, 0.2497 by changing the saturation by 10% instead.


 46.9969, 0.2107,
0.2497

 46.9969, 0.2107,
0.2497


374.8022, 0.2589,
0.2890

 33.0332, 0.1997,
0.2403


 85.7090, 0.2275,
0.2637

 22.1519, 0.1862,
0.2285


 111.2262, 0.2340,
0.2691

 13.9685, 0.1695,
0.2135


 141.3633, 0.2396,
0.2736

 8.0988, 0.1481,
0.1937

 176.5048, 0.2445,
0.2775

 4.1582, 0.1207,
0.1671

217.0351, 0.2488,
0.2809

 1.7625, 0.0856,
0.1305

263.3384, 0.2525,

 0.4636, 0.0115,

0.2839

0.0746

315.7993, 0.2559,
0.2866

■ 0.0000, 0.0000,
0.0000

■ 46.9969, 0.2107,
0.2497

■ 46.9969, 0.2107,
0.2497

■ 42.7044, 0.2026,
0.2371

■ 51.8942, 0.2208,
0.2622

■ 38.9522, 0.1966,
0.2247

■ 57.4407, 0.2328,
0.2745

■ 36.8086, 0.1936,
0.2170

■ 63.6812, 0.2462,
0.2863

■ 70.6540, 0.2607,
0.2975

■ 78.3943, 0.2759,
0.3078

■ 86.9345, 0.2914,
0.3174

■ 96.3049, 0.3070,
0.3260

■ 99.9979, 0.3127,
0.3290

Harmonies

Analogous

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



46.9969, 0.2087, 0.2867



46.9969, 0.2107, 0.2497



46.9969, 0.2364, 0.2360

Triad

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



46.9969, 0.2107, 0.2497



46.9969, 0.3988, 0.3082



46.9969, 0.3333, 0.4353

Complementary

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



46.9969, 0.2107, 0.2497



37.1161, 0.5155, 0.3829

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.



46.9969, 0.3879, 0.4305



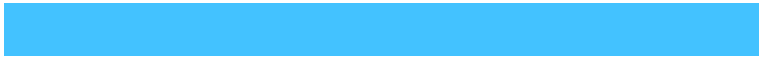
46.9969, 0.2107, 0.2497



46.9969, 0.4293, 0.3536

Square

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



46.9969, 0.2107, 0.2497



46.9969, 0.3432, 0.2693



46.9969, 0.4241, 0.3979



46.9969, 0.2760, 0.4020

Rectangle

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



46.9969, 0.2107, 0.2497



46.9969, 0.2656, 0.2389



46.9969, 0.4241, 0.3979



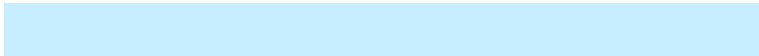
46.9969, 0.3526, 0.4377

Sweetspot

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



46.9985, 0.2107, 0.2497



79.7978, 0.2785, 0.3095



74.2174, 0.2827, 0.5010



16.6062, 0.2743, 0.3068



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.



46.9985, 0.2107, 0.2497



41.0338, 0.1997, 0.2317



17.8279, 0.1796, 0.1277



19.4293, 0.2980, 0.3211



19.5220, 0.1942, 0.2191



2.0996, 0.1981, 0.2331

Inverse Universe

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



29.1751, 0.3895, 0.2145



25.6040, 0.4099, 0.2091



73.1225, 0.4331, 0.4659



18.1942, 0.3188, 0.3131



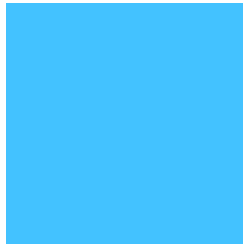
12.6987, 0.4242, 0.2111



1.2565, 0.4094, 0.2029

Previews

White Background



This preview shows how the Yxy color 46.9969, 0.2107, 0.2497 looks on a white background.

Color Contrast Check

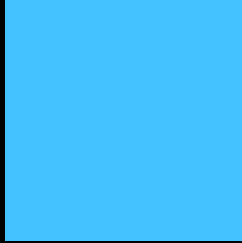
Large Text (above 18pt) WCAG AA × Fail

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 46.9969, 0.2107, 0.2497 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

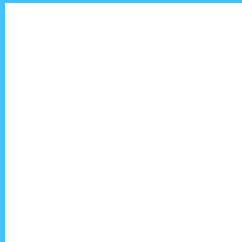
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.9969, 0.2107, 0.2497

Background



This preview shows how black text looks on a background with the Yxy color 46.9969, 0.2107, 0.2497.



This preview shows how white text looks on a background with the Yxy color 46.9969, 0.2107, 0.2497.

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

46.9969, 0.2107, 0.2497

Protanopia

46.4978, 0.2560, 0.2511

Deuteranopia

46.3302, 0.2437, 0.2377



Tritanopia

47.0743, 0.2206, 0.3057

Trichromacy



Original Color

46.9969, 0.2107, 0.2497

Protanomaly

45.5856, 0.2341, 0.2492

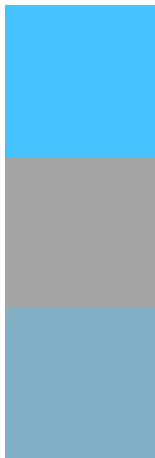
Deuteranomaly

45.6386, 0.2275, 0.2402

Tritanomaly

46.6932, 0.2160, 0.2828

Monochromacy



Original Color

46.9969, 0.2107, 0.2497

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

38.8468, 0.2600, 0.2970

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9969, 0.2107, 0.2497 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(67, 194, 255)` looks like.

```
.text, #text, p{  
    color:rgb(67, 194, 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(67, 194, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 194, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.9969, 0.2107, 0.2497 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(67, 194, 255) }
```

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

```
.border{ border-color:rgb(67, 194, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 194, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 194, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 194, 255);  
box-shadow:4px 4px 4px 4px rgb(67, 194,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9969, 0.2107, 0.2497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 194, 255) }
```

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

```
.background{ background-color: rgb(67, 194,  
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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