

Converting Colors

$Yxy(66.7234, 0.2248, 0.3015)$

Have a look what the booklet for
Yxy(66.7234, 0.2248, 0.3015)
contains.

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Color

Yxy(66.8374, 0.2248, 0.3017)

Conversions

Conversions Part 1

Format	Color
Hex	47E9FF
RGB	71, 233, 255
RGB Percent	28%, 91%, 100%
CMY	0.7207, 0.0863, 0.0000
CMYK	0.72, 0.09, 0.00, 0.00
HSL	187°, 100%, 64%
HSV	187°, 72%, 100%
XYZ	49.8013, 66.8374, 104.8973
YIQ	187.0700, -103.6140, -27.5020

Conversions

Conversions Part 2

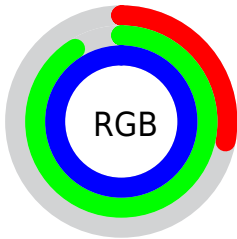
Format	Color
RYB	71, 157, 255
Decimal	4712959
CIELab	85.42, -34.07, -22.66
CIELCh	85, 40.921, 213.632
Yxy	66.8374, 0.2248, 0.3017
Android (android.graphics.Color)	4282903039 (0xFF47E9FF)
YUV	187.0700, 33.4895, -101.7934
Hunter-Lab	81.7541, -34.3348, -18.8460

Details

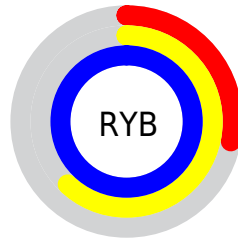
The Yxy color **66.8374, 0.2248, 0.3017** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **29.5891, 0.5438, 0.3474**, and the grayscale version is **49.6227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5796, 0.2532, 0.3288**, and **35.5215, 0.2153, 0.2951** is the 20% darker color. If you saturate the color by 10%, you get **64.3506, 0.2193, 0.2975**, and if you desaturate by 10%, it is **69.7613, 0.2323, 0.3060**.

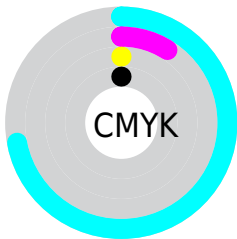
Distribution



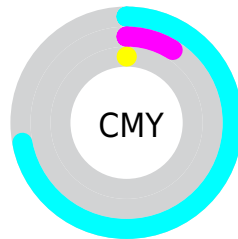
- Red (28%)
- Green (91%)
- Blue (100%)



- Red (28%)
- Yellow (62%)
- Blue (100%)



- Cyan (72%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)




- Cyan (72%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.8374, 0.2248, 0.3017 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 66.8374, 0.2248, 0.3017 by changing the saturation by 10% instead.


 66.8374, 0.2248,
0.3017


 66.8374, 0.2248,
0.3017


449.3658, 0.2645,
0.3158


 48.9525, 0.2161,
0.2982

 114.6874, 0.2383,
0.3069


 34.5818, 0.2054,
0.2936


 145.4213, 0.2437,
0.3088

 23.3409, 0.1923,
0.2877


 181.2069, 0.2483,
0.3104

 14.8454, 0.1758,
0.2796

 222.4288, 0.2523,
0.3118

 8.7110, 0.1544,
0.2680

269.4712, 0.2559,
0.3130

 4.5531, 0.1261,
0.2505

322.7186, 0.2591,

 1.9875, 0.0883,

0.3141

0.2220

382.5553, 0.2619,
0.3150

0.6002, 0.0000,
0.1724

0.0000, 0.0000,
0.0000

66.8374, 0.2248,
0.3017

66.8374, 0.2248,
0.3017

64.3506, 0.2193,
0.2975

69.7613, 0.2323,
0.3060

62.2426, 0.2157,
0.2933

73.1636, 0.2416,
0.3102

60.7761, 0.2139,
0.2900

77.0846, 0.2528,
0.3142

81.5593, 0.2654,
0.3181

86.6196, 0.2793,
0.3218

92.2947, 0.2941,
0.3252

98.6118, 0.3095,
0.3284

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.



66.8374, 0.2488, 0.3513



66.8374, 0.2248, 0.3017



66.8374, 0.2223, 0.2657

Triad

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



66.8374, 0.2248, 0.3017



66.8374, 0.3293, 0.2721



66.8374, 0.3852, 0.4126

Complementary

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



66.8374, 0.2248, 0.3017



29.5891, 0.5438, 0.3474

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.



66.8374, 0.4113, 0.3829



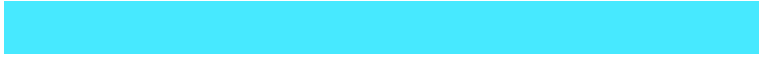
66.8374, 0.2248, 0.3017



66.8374, 0.3784, 0.3045

Square

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



66.8374, 0.2248, 0.3017



66.8374, 0.2791, 0.2523



66.8374, 0.4093, 0.3438



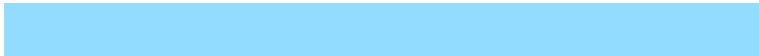
66.8374, 0.3406, 0.4204

Rectangle

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



66.8374, 0.2248, 0.3017



66.8374, 0.2326, 0.2525



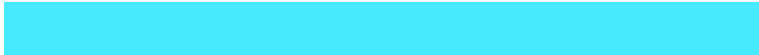
66.8374, 0.4093, 0.3438



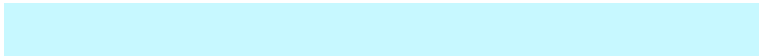
66.8374, 0.3965, 0.4044

Sweetspot

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



66.8387, 0.2248, 0.3017



86.6556, 0.2794, 0.3218



73.6527, 0.2958, 0.5401



18.2412, 0.2755, 0.3209



0.0000, 0.0000, 0.0000



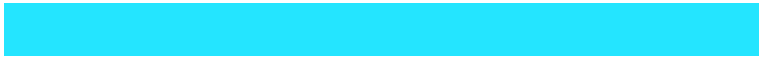
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.8387, 0.2248, 0.3017



63.4797, 0.2177, 0.2958



27.8176, 0.1936, 0.1778



20.0880, 0.2980, 0.3261



31.9040, 0.2141, 0.2907



3.2067, 0.2154, 0.2954

Inverse Universe

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



31.6781, 0.3424, 0.1863



28.1458, 0.3486, 0.1753



56.2297, 0.4603, 0.4339



18.2607, 0.3156, 0.3083



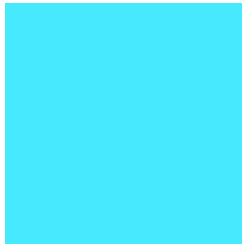
13.9487, 0.3537, 0.1722



1.3683, 0.3495, 0.1699

Previews

White Background



This preview shows how the Yxy color 66.8374, 0.2248, 0.3017 looks on a white background.

Color Contrast Check

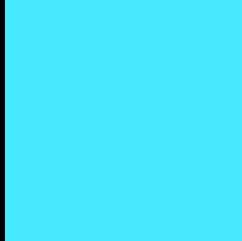
Large Text (above 18pt) WCAG AA × Fail

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 66.8374, 0.2248, 0.3017 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 66.8374, 0.2248, 0.3017

Background



This preview shows how black text looks on a background with the Yxy color 66.8374, 0.2248, 0.3017.

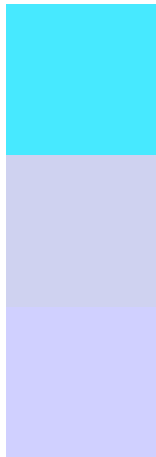


This preview shows how white text looks on a background with the Yxy color 66.8374, 0.2248, 0.3017.

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

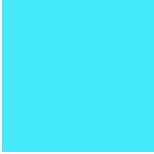
66.8374, 0.2248, 0.3017

Protanopia

65.6499, 0.2907, 0.2959

Deuteranopia

65.7416, 0.2821, 0.2784



Tritanopia

66.5713, 0.2254, 0.3052

Trichromacy



Original Color

66.8374, 0.2248, 0.3017



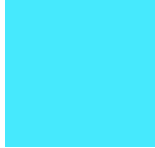
Protanomaly

64.0045, 0.2583, 0.2971



Deuteranomaly

64.1148, 0.2531, 0.2849



Tritanomaly

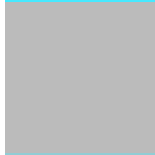
66.6718, 0.2253, 0.3041

Monochromacy



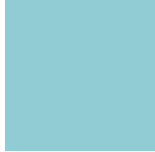
Original Color

66.8374, 0.2248, 0.3017



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

53.9589, 0.2665, 0.3185

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.8374, 0.2248, 0.3017 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(71, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(71, 233, 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(71, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 233, 255) }
```

Border

The CSS property to change the border of an element to Yxy 66.8374, 0.2248, 0.3017 is called "border". The border property can be set on classes, ids or directly on the HTML element.

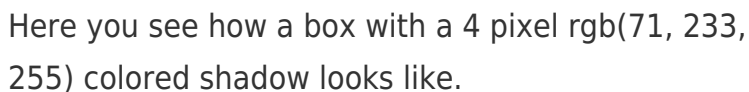
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(71, 233, 255) }
```

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

```
.border{ border-color:rgb(71, 233, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(71, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(71, 233, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(71, 233, 255); box-shadow:4px 4px 4px 4px rgb(71, 233, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 66.8374, 0.2248, 0.3017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 233, 255) }
```

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

```
.background{ background-color: rgb(71, 233,  
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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