

Converting Colors

$Yxy(68.5048, 0.2513, 0.3076)$

Have a look what the booklet for
Yxy(68.5048, 0.2513, 0.3076)
contains.

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Color

Yxy(68.5048, 0.2513, 0.3076)

Conversions

Conversions Part 1

Format	Color
Hex	8EE5F7
RGB	142, 229, 247
RGB Percent	56%, 90%, 97%
CMY	0.4429, 0.1020, 0.0315
CMYK	0.42, 0.07, 0.00, 0.03
HSL	190°, 87%, 76%
HSV	190°, 42%, 97%
XYZ	55.9664, 68.5048, 98.2362
YIQ	205.0390, -57.6300, -12.8460

Conversions

Conversions Part 2

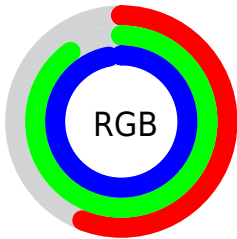
Format	Color
R_{YB}	142, 190, 247
Decimal	9364983
CIE _{Lab}	86.26, -21.69, -16.95
CIE _{LCh}	86, 27.523, 218.010
Yxy	68.5048, 0.2513, 0.3076
Android (android.graphics.Color)	4287555063 (0xFF8EE5F7)
YUV	205.0390, 20.6868, -55.2852
Hunter-Lab	82.7676, -24.1440, -12.4335

Details

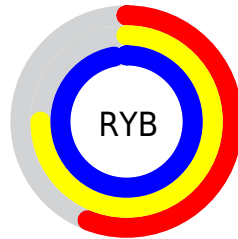
The Yxy color **68.5048, 0.2513, 0.3076** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.8750, 0.4152, 0.3488**, and the grayscale version is **60.9795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0194, 0.2805, 0.3289**, and **35.5335, 0.2369, 0.3006** is the 20% darker color. If you saturate the color by 10%, you get **64.2463, 0.2396, 0.3017**, and if you desaturate by 10%, it is **73.3096, 0.2644, 0.3132**.

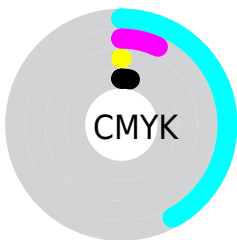
Distribution



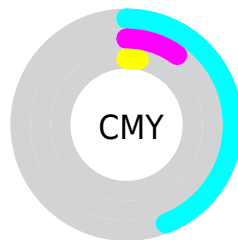
- Red (56%)
- Green (90%)
- Blue (97%)



- Red (56%)
- Yellow (75%)
- Blue (97%)



- Cyan (42%)
- Magenta (7%)
- Yellow (0%)
- Black (3%)





- Cyan (44%)
- Magenta (10%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.5048, 0.2513, 0.3076 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 68.5048, 0.2513, 0.3076 by changing the saturation by 10% instead.


 68.5048, 0.2513,
0.3076

 68.5048, 0.2513,
0.3076


455.2825, 0.2793,
0.3182

 50.3085, 0.2450,
0.3050


 117.0740, 0.2609,
0.3114

 35.6586, 0.2373,
0.3017


 148.2157, 0.2647,
0.3129

 24.1706, 0.2277,
0.2975


184.4414, 0.2680,
0.3141

 15.4603, 0.2153,
0.2917

226.1354, 0.2708,
0.3152

 9.1430, 0.1989,
0.2835

273.6821, 0.2733,
0.3161

 4.8346, 0.1761,
0.2711

327.4659, 0.2756,

 2.1505, 0.1432,

0.3169

387.8712, 0.2776,
0.3176

0.2506

0.6928, 0.0413,
0.2216

0.0000, 0.0000,
0.0000

68.5048, 0.2513,
0.3076

68.5048, 0.2513,
0.3076

64.2463, 0.2396,
0.3017

73.3096, 0.2644,
0.3132

60.4934, 0.2296,
0.2956

78.6825, 0.2785,
0.3185

57.2120, 0.2215,
0.2894

84.6534, 0.2935,
0.3235

54.3601, 0.2154,
0.2831

91.2481, 0.3089,
0.3280

■ 51.8867, 0.2112,
0.2770

■ 96.4342, 0.3177,
0.3321

■ 50.2171, 0.2090,
0.2724

■ 99.0943, 0.3174,
0.3361

■ 99.4930, 0.3174,
0.3367

Harmonies

Analogous

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



68.5048, 0.2664, 0.3394



68.5048, 0.2513, 0.3076



68.5048, 0.2516, 0.2842

Triad

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



68.5048, 0.2513, 0.3076



68.5048, 0.3294, 0.2927



68.5048, 0.3583, 0.3870

Complementary

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



68.5048, 0.2513, 0.3076



46.8750, 0.4152, 0.3488

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.



68.5048, 0.3773, 0.3704



68.5048, 0.2513, 0.3076



68.5048, 0.3604, 0.3167

Square

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



68.5048, 0.2513, 0.3076



68.5048, 0.2951, 0.2773



68.5048, 0.3783, 0.3446



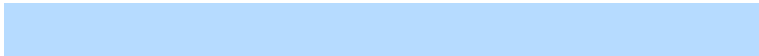
68.5048, 0.3276, 0.3877

Rectangle

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



68.5048, 0.2513, 0.3076



68.5048, 0.2604, 0.2758



68.5048, 0.3783, 0.3446



68.5048, 0.3664, 0.3830

Sweetspot

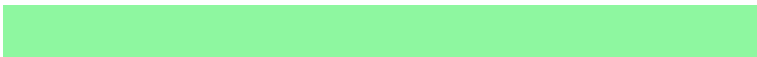
The Sweet Spot groups the original color and five complimentary colors.



68.5075, 0.2513, 0.3076



90.6771, 0.2926, 0.3232



74.7772, 0.2978, 0.4391



19.0943, 0.2893, 0.3221



0.0000, 0.0000, 0.0000



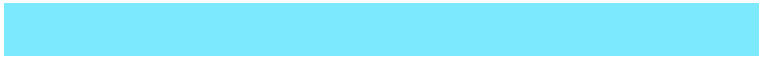
21.4041, 0.3127, 0.3290

Same Dimension

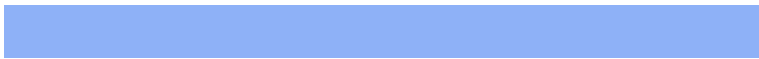
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.5075, 0.2513, 0.3076



69.7004, 0.2412, 0.3025



43.9272, 0.2403, 0.2417



18.2465, 0.2980, 0.3248



26.7523, 0.2093, 0.2734



2.4760, 0.2114, 0.2811

Inverse Universe

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



44.7907, 0.3334, 0.2402



41.7823, 0.3388, 0.2239



68.8078, 0.3906, 0.4025



16.7167, 0.3164, 0.3096



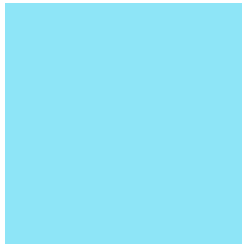
12.8000, 0.3696, 0.1810



1.1376, 0.3625, 0.1770

Previews

White Background



This preview shows how the Yxy color 68.5048, 0.2513, 0.3076 looks on a white background.

Color Contrast Check

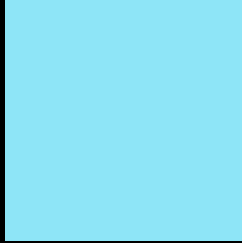
Large Text (above 18pt) WCAG AA × Fail

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 68.5048, 0.2513, 0.3076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

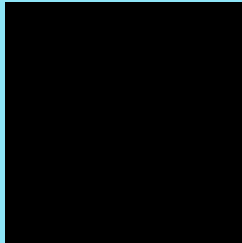
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.5048, 0.2513, 0.3076

Background



This preview shows how black text looks on a background with the Yxy color 68.5048, 0.2513, 0.3076.

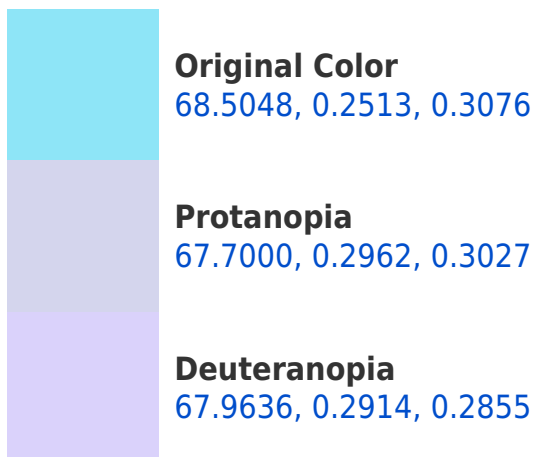


This preview shows how white text looks on a background with the Yxy color 68.5048, 0.2513, 0.3076.

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





Tritanopia

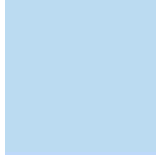
68.5048, 0.2513, 0.3076

Trichromacy



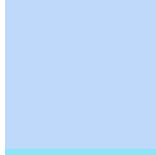
Original Color

68.5048, 0.2513, 0.3076



Protanomaly

67.5787, 0.2776, 0.3040



Deuteranomaly

67.4750, 0.2741, 0.2922



Tritanomaly

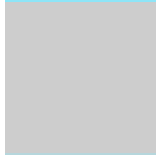
68.5048, 0.2513, 0.3076

Monochromacy



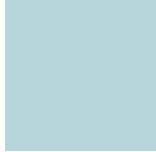
Original Color

68.5048, 0.2513, 0.3076



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

63.2055, 0.2864, 0.3218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.5048, 0.2513, 0.3076 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(142, 229, 247)` looks like.

```
.text, #text, p{  
    color:rgb(142, 229, 247)  
}
```

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(142, 229, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 229, 247) }
```

Border

The CSS property to change the border of an element to Yxy 68.5048, 0.2513, 0.3076 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(142, 229, 247) }
```

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

```
.border{ border-color:rgb(142, 229, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 229, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 229, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 229, 247);  
box-shadow:4px 4px 4px 4px rgb(142, 229,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 68.5048, 0.2513, 0.3076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 229, 247) }
```

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

```
.background{ background-color: rgb(142,  
229, 247) }
```

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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