

Converting Colors

$Y_{xy}(68.4489, 0.2456, 0.2980)$

Have a look what the booklet for
Yxy(68.4489, 0.2456, 0.2980)
contains.

Yxy(68.6619, 0.2458, 0.2984)	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(68.6619, 0.2458, 0.2984)

Conversions

Conversions Part 1

Format	Color
Hex	8AE5FF
RGB	138, 229, 255
RGB Percent	54%, 90%, 100%
CMY	0.4585, 0.1020, 0.0000
CMYK	0.46, 0.10, 0.00, 0.00
HSL	193°, 100%, 77%
HSV	193°, 46%, 100%
XYZ	56.5586, 68.6619, 104.8797
YIQ	204.7550, -62.5820, -11.2060

Conversions

Conversions Part 2

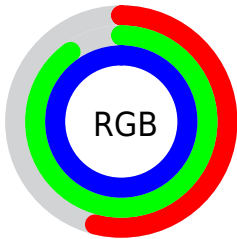
Format	Color
R _Y B	138, 189, 255
Decimal	9102847
CIE Lab	86.34, -20.55, -21.08
CIE LCh	86, 29.436, 225.725
Yxy	68.6619, 0.2458, 0.2984
Android (android.graphics.Color)	4287292927 (0xFF8AE5FF)
YUV	204.7550, 24.7708, -58.5441
Hunter-Lab	82.8625, -23.1723, -17.0401

Details

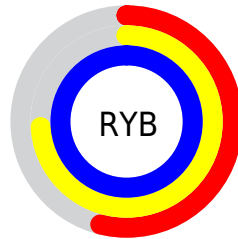
The Yxy color **68.6619, 0.2458, 0.2984** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **49.6758, 0.4243, 0.3565**, and the grayscale version is **60.7674, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6103, 0.2789, 0.3289**, and **35.5841, 0.2305, 0.2901** is the 20% darker color. If you saturate the color by 10%, you get **63.6500, 0.2340, 0.2905**, and if you desaturate by 10%, it is **74.2921, 0.2590, 0.3060**.

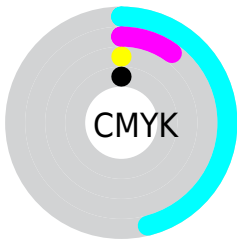
Distribution



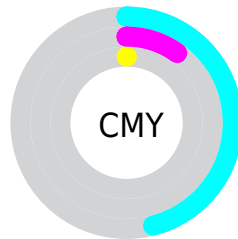
- Red (54%)
- Green (90%)
- Blue (100%)



- Red (54%)
- Yellow (74%)
- Blue (100%)



- Cyan (46%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)





- Cyan (46%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.6619, 0.2458, 0.2984 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 68.6619, 0.2458, 0.2984 by changing the saturation by 10% instead.

 68.6619, 0.2458,
0.2984

 68.6619, 0.2458,
0.2984


455.8376, 0.2762,
0.3133

 50.4364, 0.2390,
0.2948


 117.2985, 0.2562,
0.3037

 35.7603, 0.2308,
0.2904


 148.4785, 0.2603,
0.3057

 24.2491, 0.2204,
0.2846


184.7454, 0.2639,
0.3075

 15.5185, 0.2073,
0.2769

226.4836, 0.2670,
0.3090

 9.1841, 0.1899,
0.2661

274.0775, 0.2697,
0.3103

 4.8615, 0.1663,
0.2503

327.9115, 0.2721,

 2.1662, 0.1327,

0.3114

0.2253

388.3701, 0.2743,
0.3124

0.7015, 0.0441,
0.1873

0.0000, 0.0000,
0.0000

68.6619, 0.2458,
0.2984

68.6619, 0.2458,
0.2984

63.6500, 0.2340,
0.2905

74.2921, 0.2590,
0.3060

59.2114, 0.2239,
0.2823

80.5665, 0.2732,
0.3131

55.3068, 0.2158,
0.2740

87.5187, 0.2882,
0.3197

51.8872, 0.2096,
0.2657

95.1775, 0.3036,
0.3257

■ 48.8921, 0.2053,
0.2575

100.0000, 0.3127,
0.3290

■ 47.7385, 0.2039,
0.2541

Harmonies

Analogous

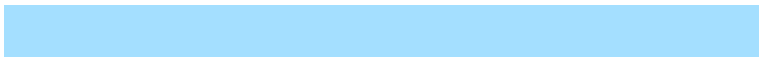
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.6619, 0.2577, 0.3309



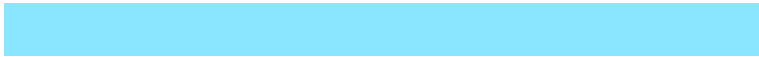
68.6619, 0.2458, 0.2984



68.6619, 0.2504, 0.2769

Triad

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



68.6619, 0.2458, 0.2984



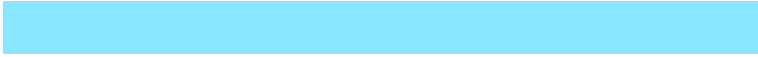
68.6619, 0.3398, 0.2962



68.6619, 0.3537, 0.3931

Complementary

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



68.6619, 0.2458, 0.2984



49.6758, 0.4243, 0.3565

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.



68.6619, 0.3781, 0.3788



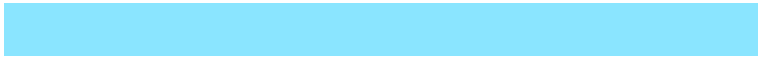
68.6619, 0.2458, 0.2984



68.6619, 0.3704, 0.3233

Square

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



68.6619, 0.2458, 0.2984



68.6619, 0.3030, 0.2771



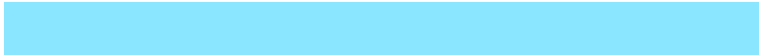
68.6619, 0.3846, 0.3530



68.6619, 0.3191, 0.3889

Rectangle

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



68.6619, 0.2458, 0.2984



68.6619, 0.2624, 0.2706



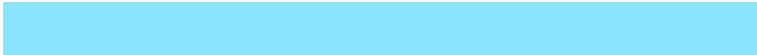
68.6619, 0.3846, 0.3530



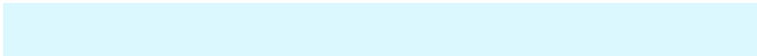
68.6619, 0.3635, 0.3901

Sweetspot

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



68.6644, 0.2458, 0.2984



88.8848, 0.2911, 0.3208



79.5883, 0.2940, 0.4424



18.6853, 0.2878, 0.3195



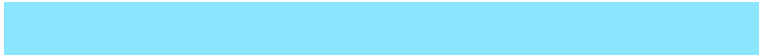
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



68.6644, 0.2458, 0.2984



64.0554, 0.2350, 0.2912



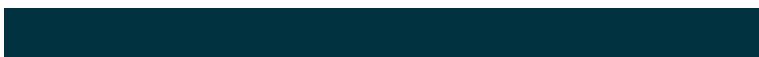
41.8312, 0.2327, 0.2256



19.7556, 0.2980, 0.3236



25.1770, 0.2043, 0.2555



2.6120, 0.2069, 0.2648

Inverse Universe

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



45.1142, 0.3411, 0.2387



38.8359, 0.3487, 0.2228



75.2707, 0.3952, 0.4136



18.2271, 0.3172, 0.3107



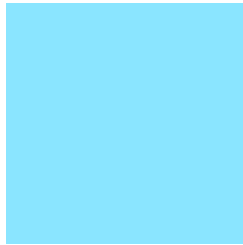
13.2696, 0.3868, 0.1904



1.3082, 0.3777, 0.1855

Previews

White Background



This preview shows how the Yxy color 68.6619, 0.2458, 0.2984 looks on a white background.

Color Contrast Check

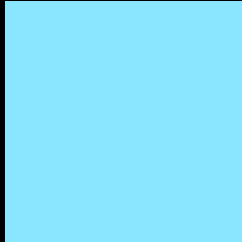
Large Text (above 18pt) WCAG AA × Fail

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 68.6619, 0.2458, 0.2984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

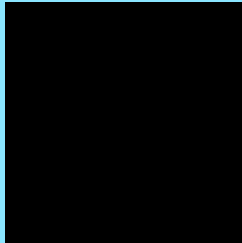
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.6619, 0.2458, 0.2984

Background



This preview shows how black text looks on a background with the Yxy color 68.6619, 0.2458, 0.2984.

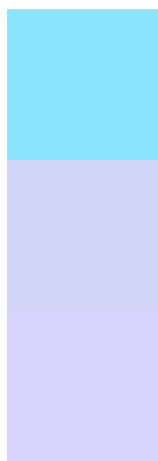


This preview shows how white text looks on a background with the Yxy color 68.6619, 0.2458, 0.2984.

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

68.6619, 0.2458, 0.2984

Protanopia

67.8827, 0.2898, 0.2942

Deuteranopia

68.1047, 0.2863, 0.2822



Tritanopia

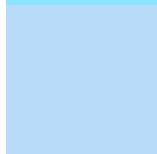
68.6674, 0.2478, 0.3063

Trichromacy



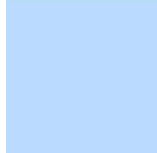
Original Color

68.6619, 0.2458, 0.2984



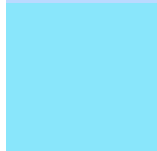
Protanomaly

67.6929, 0.2712, 0.2952



Deuteranomaly

67.8019, 0.2691, 0.2879



Tritanomaly

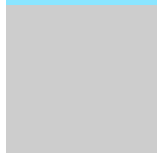
68.8770, 0.2473, 0.3041

Monochromacy



Original Color

68.6619, 0.2458, 0.2984



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

63.2446, 0.2839, 0.3183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6619, 0.2458, 0.2984 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(138, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(138, 229, 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(138, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 229, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.6619, 0.2458, 0.2984 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(138, 229, 255) }
```

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

```
.border{ border-color:rgb(138, 229, 255) }
```

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

Here you see how a box with a 4 pixel rgb(138, 229, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(138, 229,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.6619, 0.2458, 0.2984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 229, 255) }
```

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

```
.background{ background-color: rgb(138,  
229, 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