

Converting Colors

$Yxy(68.4383, 0.2466, 0.2976)$

Have a look what the booklet for
Yxy(68.4383, 0.2466, 0.2976)
contains.

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Color

Yxy(68.2823, 0.2465, 0.2973)

Conversions

Conversions Part 1

Format	Color
Hex	8CE4FF
RGB	140, 228, 255
RGB Percent	55%, 89%, 100%
CMY	0.4506, 0.1059, 0.0001
CMYK	0.45, 0.11, 0.00, 0.00
HSL	194°, 100%, 77%
HSV	194°, 45%, 100%
XYZ	56.6148, 68.2823, 104.7776
YIQ	204.7660, -61.1150, -10.2590

Conversions

Conversions Part 2

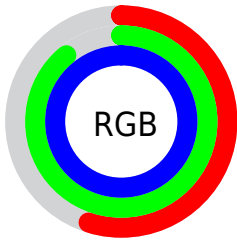
Format	Color
R _Y B	140, 190, 255
Decimal	9233663
CIE Lab	86.15, -19.60, -21.34
CIE LCh	86, 28.971, 227.437
Yxy	68.2823, 0.2465, 0.2973
Android (android.graphics.Color)	4287423743 (0xFF8CE4FF)
YUV	204.7660, 24.7654, -56.7998
Hunter-Lab	82.6331, -22.3114, -17.3357

Details

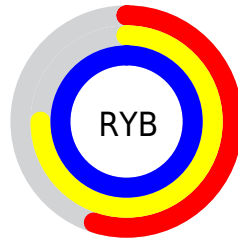
The Yxy color **68.2823, 0.2465, 0.2973** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **50.8107, 0.4208, 0.3575**, and the grayscale version is **60.7753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7458, 0.2794, 0.3289**, and **35.3316, 0.2315, 0.2886** is the 20% darker color. If you saturate the color by 10%, you get **63.0818, 0.2344, 0.2889**, and if you desaturate by 10%, it is **74.1153, 0.2599, 0.3053**.

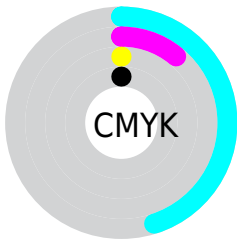
Distribution



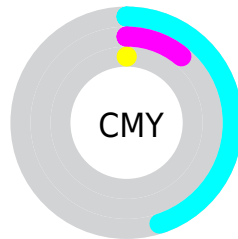
- Red (55%)
- Green (89%)
- Blue (100%)



- Red (55%)
- Yellow (75%)
- Blue (100%)



- Cyan (45%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)




- Cyan (45%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.2823, 0.2465, 0.2973 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 68.2823, 0.2465, 0.2973 by changing the saturation by 10% instead.


 68.2823, 0.2465,
0.2973

 68.2823, 0.2465,
0.2973

454.4956, 0.2766,
0.3127

 50.1274, 0.2398,
0.2936

 116.7559, 0.2568,
0.3028

 35.5147, 0.2316,
0.2890


 147.8434, 0.2609,
0.3049

 24.0596, 0.2213,
0.2831


184.0106, 0.2644,
0.3067

 15.3778, 0.2082,
0.2752

225.6419, 0.2675,
0.3082

 9.0850, 0.1910,
0.2642

273.1216, 0.2702,
0.3096

 4.7967, 0.1674,
0.2480

326.8342, 0.2726,

 2.1285, 0.1339,

0.3107

0.2225

387.1641, 0.2747,
0.3118

0.6806, 0.0453,
0.1830

0.0000, 0.0000,
0.0000

68.2823, 0.2465,
0.2973

68.2823, 0.2465,
0.2973

63.0818, 0.2344,
0.2889

74.1153, 0.2599,
0.3053

58.4689, 0.2240,
0.2803

80.6066, 0.2743,
0.3128

54.4044, 0.2155,
0.2715

87.7896, 0.2894,
0.3197

50.8400, 0.2090,
0.2627

95.6932, 0.3049,
0.3260

■ 47.7162, 0.2044,
0.2539

99.9981, 0.3127,
0.3290

■ 46.2936, 0.2027,
0.2497

Harmonies

Analogous

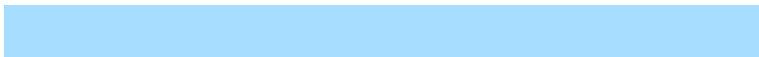
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.2823, 0.2574, 0.3289



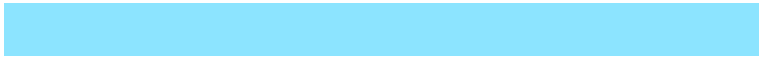
68.2823, 0.2465, 0.2973



68.2823, 0.2520, 0.2768

Triad

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



68.2823, 0.2465, 0.2973



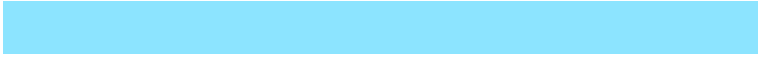
68.2823, 0.3414, 0.2980



68.2823, 0.3514, 0.3925

Complementary

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



68.2823, 0.2465, 0.2973



50.8107, 0.4208, 0.3575

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.



68.2823, 0.3763, 0.3794



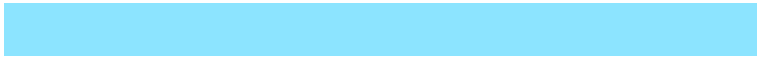
68.2823, 0.2465, 0.2973



68.2823, 0.3708, 0.3250

Square

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



68.2823, 0.2465, 0.2973



68.2823, 0.3052, 0.2786



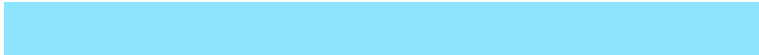
68.2823, 0.3838, 0.3543



68.2823, 0.3170, 0.3871

Rectangle

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



68.2823, 0.2465, 0.2973



68.2823, 0.2643, 0.2711



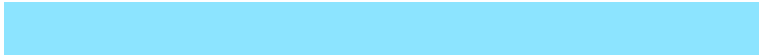
68.2823, 0.3838, 0.3543



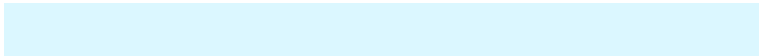
68.2823, 0.3612, 0.3899

Sweetspot

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



68.2849, 0.2465, 0.2973



88.6143, 0.2910, 0.3204



79.8703, 0.2934, 0.4376



18.6189, 0.2877, 0.3190



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.



68.2849, 0.2465, 0.2973



63.6201, 0.2356, 0.2898



41.8220, 0.2338, 0.2254



19.7158, 0.2980, 0.3233



24.4362, 0.2031, 0.2511



2.5457, 0.2059, 0.2610

Inverse Universe

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



45.6370, 0.3418, 0.2414



39.3624, 0.3496, 0.2259



76.6419, 0.3927, 0.4139



18.2231, 0.3174, 0.3110



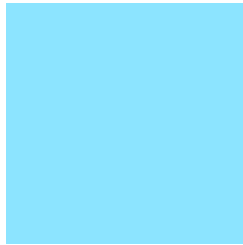
13.1948, 0.3911, 0.1928



1.3015, 0.3814, 0.1875

Previews

White Background



This preview shows how the Yxy color 68.2823, 0.2465, 0.2973 looks on a white background.

Color Contrast Check

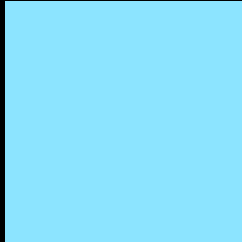
Large Text (above 18pt) WCAG AA × Fail

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 68.2823, 0.2465, 0.2973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

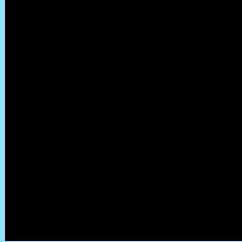
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.2823, 0.2465, 0.2973

Background



This preview shows how black text looks on a background with the Yxy color 68.2823, 0.2465, 0.2973.



This preview shows how white text looks on a background with the Yxy color 68.2823, 0.2465, 0.2973.

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

68.2823, 0.2465, 0.2973

Protanopia

67.7364, 0.2891, 0.2942

Deuteranopia

67.4593, 0.2856, 0.2811



Tritanopia

68.2192, 0.2489, 0.3063

Trichromacy



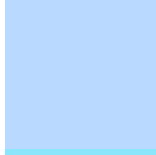
Original Color

68.2823, 0.2465, 0.2973



Protanomaly

67.1727, 0.2711, 0.2941



Deuteranomaly

67.2848, 0.2689, 0.2867



Tritanomaly

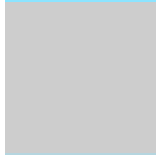
68.4926, 0.2480, 0.3029

Monochromacy



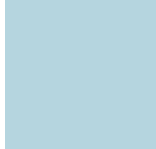
Original Color

68.2823, 0.2465, 0.2973



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

62.7400, 0.2839, 0.3171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.2823, 0.2465, 0.2973 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(140, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(140, 228, 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(140, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 228, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.2823, 0.2465, 0.2973 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(140, 228, 255) }
```

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

```
.border{ border-color:rgb(140, 228, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(140, 228,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.2823, 0.2465, 0.2973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 228, 255) }
```

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

```
.background{ background-color: rgb(140,  
228, 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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