

Converting Colors

$Yxy(68.0543, 0.2505, 0.2953)$

Have a look what the booklet for
Yxy(68.0543, 0.2505, 0.2953)
contains.

Yxy(68.0023, 0.2502, 0.2952)	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(68.0023, 0.2502, 0.2952)

Conversions

Conversions Part 1

Format	Color
Hex	95E2FF
RGB	149, 226, 255
RGB Percent	58%, 89%, 100%
CMY	0.4159, 0.1137, 0.0000
CMYK	0.42, 0.11, 0.00, 0.00
HSL	196°, 100%, 79%
HSV	196°, 42%, 100%
XYZ	57.6361, 68.0023, 104.7217
YIQ	206.2830, -55.2010, -7.3050

Conversions

Conversions Part 2

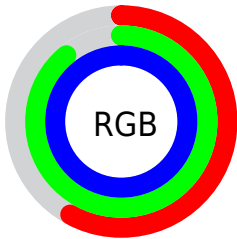
Format	Color
RYB	149, 194, 255
Decimal	9822975
CIELab	86.01, -16.48, -21.54
CIELCh	86, 27.123, 232.588
Yxy	68.0023, 0.2502, 0.2952
Android (android.graphics.Color)	4288013055 (0xFF95E2FF)
YUV	206.2830, 24.0175, -50.2372
Hunter-Lab	82.4635, -19.5524, -17.5688

Details

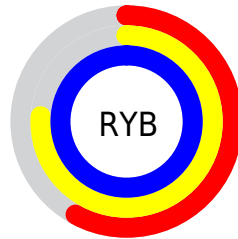
The Yxy color **68.0023, 0.2502, 0.2952** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **55.2407, 0.4074, 0.3597**, and the grayscale version is **61.7738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0054, 0.2844, 0.3289**, and **35.4783, 0.2364, 0.2875** is the 20% darker color. If you saturate the color by 10%, you get **62.1482, 0.2372, 0.2855**, and if you desaturate by 10%, it is **74.5365, 0.2644, 0.3044**.

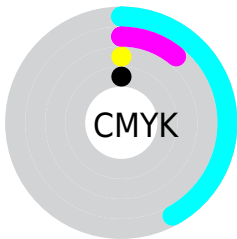
Distribution



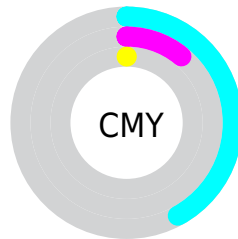
- Red (58%)
- Green (89%)
- Blue (100%)



- Red (58%)
- Yellow (76%)
- Blue (100%)



- Cyan (42%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)




- Cyan (42%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.0023, 0.2502, 0.2952 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 68.0023, 0.2502, 0.2952 by changing the saturation by 10% instead.


 68.0023, 0.2502,
0.2952

 68.0023, 0.2502,
0.2952


453.5042, 0.2787,
0.3115

 49.8996, 0.2438,
0.2914

 116.3554, 0.2600,
0.3010

 35.3336, 0.2360,
0.2865


 147.3747, 0.2638,
0.3032

 23.9200, 0.2263,
0.2804


183.4682, 0.2672,
0.3051

 15.2743, 0.2137,
0.2722

225.0204, 0.2701,
0.3067

 9.0121, 0.1972,
0.2609

272.4157, 0.2726,
0.3081

 4.7491, 0.1745,
0.2444

326.0385, 0.2749,

 2.1008, 0.1418,

0.3094

0.2186

386.2732, 0.2769,
0.3105

0.6651, 0.0611,
0.1769

0.0000, 0.0000,
0.0000

68.0023, 0.2502,
0.2952

68.0023, 0.2502,
0.2952

62.1482, 0.2372,
0.2855

74.5365, 0.2644,
0.3044

56.9362, 0.2256,
0.2754

81.7825, 0.2793,
0.3130

52.3261, 0.2159,
0.2651

89.7715, 0.2947,
0.3208

48.2715, 0.2081,
0.2546

98.5324, 0.3103,
0.3279

■ 44.7167, 0.2023,
0.2443

100.0000, 0.3127,
0.3290

■ 42.0444, 0.1988,
0.2357

Harmonies

Analogous

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



68.0023, 0.2579, 0.3235



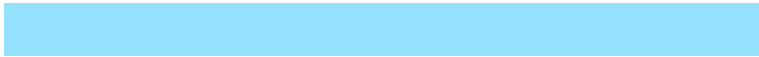
68.0023, 0.2502, 0.2952



68.0023, 0.2580, 0.2780

Triad

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



68.0023, 0.2502, 0.2952



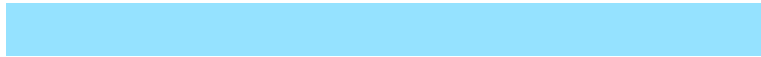
68.0023, 0.3451, 0.3039



68.0023, 0.3440, 0.3889

Complementary

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



68.0023, 0.2502, 0.2952



55.2407, 0.4074, 0.3597

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.



68.0023, 0.3694, 0.3795



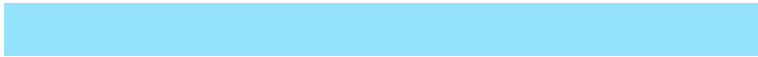
68.0023, 0.2502, 0.2952



68.0023, 0.3705, 0.3302

Square

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



68.0023, 0.2502, 0.2952



68.0023, 0.3115, 0.2840



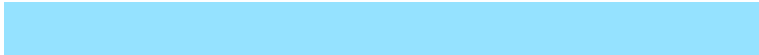
68.0023, 0.3795, 0.3575



68.0023, 0.3111, 0.3805

Rectangle

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



68.0023, 0.2502, 0.2952



68.0023, 0.2712, 0.2742



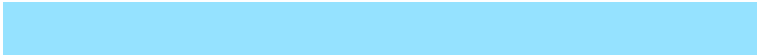
68.0023, 0.3795, 0.3575



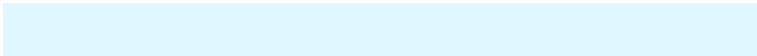
68.0023, 0.3537, 0.3876

Sweetspot

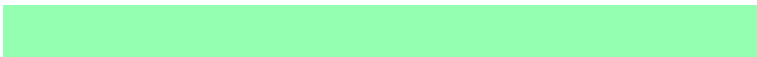
The Sweet Spot groups the original color and five complimentary colors.



68.0029, 0.2502, 0.2952



89.4305, 0.2941, 0.3205



81.0872, 0.2928, 0.4232



18.9101, 0.2921, 0.3195



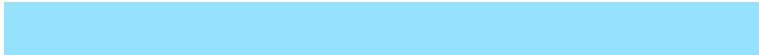
0.0000, 0.0000, 0.0000



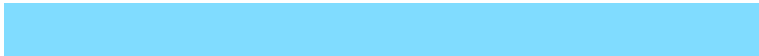
21.4041, 0.3127, 0.3290

Same Dimension

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



68.0029, 0.2502, 0.2952



63.0362, 0.2392, 0.2871



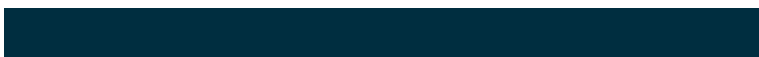
43.7556, 0.2396, 0.2304



19.5924, 0.2980, 0.3223



22.2310, 0.1993, 0.2374



2.3468, 0.2025, 0.2491

Inverse Universe

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



48.2277, 0.3427, 0.2515



41.7435, 0.3509, 0.2369



80.1625, 0.3845, 0.4108



18.2107, 0.3180, 0.3119



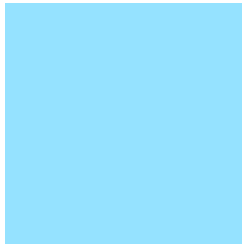
12.9722, 0.4049, 0.2004



1.2815, 0.3931, 0.1939

Previews

White Background



This preview shows how the Yxy color 68.0023, 0.2502, 0.2952 looks on a white background.

Color Contrast Check

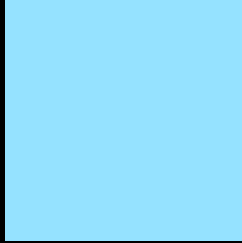
Large Text (above 18pt) WCAG AA × Fail

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 68.0023, 0.2502, 0.2952 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 68.0023, 0.2502, 0.2952

Background



This preview shows how black text looks on a background with the Yxy color 68.0023, 0.2502, 0.2952.

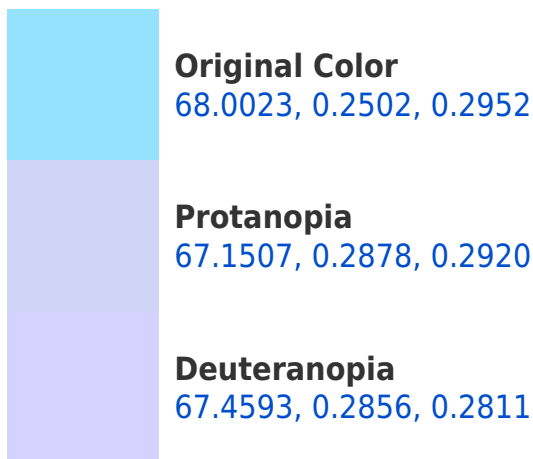


This preview shows how white text looks on a background with the Yxy color 68.0023, 0.2502, 0.2952.

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

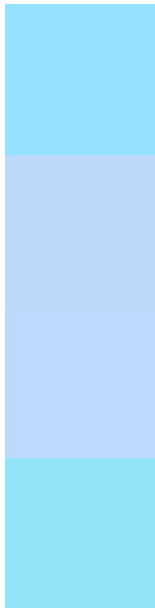




Tritanopia

68.2516, 0.2534, 0.3076

Trichromacy



Original Color

68.0023, 0.2502, 0.2952

Protanomaly

67.0301, 0.2729, 0.2931

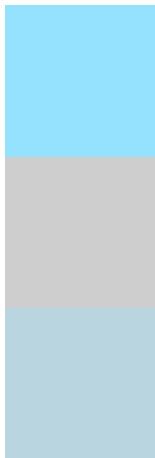
Deuteranomaly

67.2789, 0.2713, 0.2859

Tritanomaly

67.9808, 0.2523, 0.3030

Monochromacy



Original Color

68.0023, 0.2502, 0.2952

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

63.2846, 0.2859, 0.3160

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0023, 0.2502, 0.2952 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(149, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(149, 226, 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(149, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 226, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.0023, 0.2502, 0.2952 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(149, 226, 255) }
```

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

```
.border{ border-color:rgb(149, 226, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(149, 226,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0023, 0.2502, 0.2952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 226, 255) }
```

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

```
.background{ background-color: rgb(149,  
226, 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