

Converting Colors

$Y_{xy}(68.2703, 0.2510, 0.2956)$

Have a look what the booklet for
Yxy(68.2703, 0.2510, 0.2956)
contains.

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Color

Yxy(68.0967, 0.2507, 0.2953)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 96E2FF |
| RGB | 150, 226, 255 |
| RGB Percent | 59%, 89%, 100% |
| CMY | 0.4120, 0.1137, 0.0000 |
| CMYK | 0.41, 0.11, 0.00, 0.00 |
| HSL | 197°, 100%, 79% |
| HSV | 197°, 41%, 100% |
| XYZ | 57.8119, 68.0967, 104.6932 |
| YIQ | 206.5820, -54.6050, -7.0930 |

Conversions

Conversions Part 2

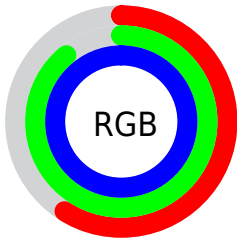
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 150, 194, 255 |
| Decimal | 9888511 |
| CIE _{Lab} | 86.05, -16.25, -21.44 |
| CIE _{LCh} | 86, 26.907, 232.843 |
| Yxy | 68.0967, 0.2507, 0.2953 |
| Android (android.graphics.Color) | 4288078591 (0xFF96E2FF) |
| YUV | 206.5820, 23.8701, -49.6224 |
| Hunter-Lab | 82.5207, -19.3588, -17.4561 |

Details

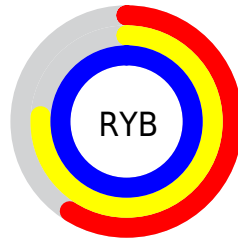
The Yxy color **68.0967, 0.2507, 0.2953** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **55.6566, 0.4060, 0.3597**, and the grayscale version is **61.9756, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1499, 0.2849, 0.3289**, and **35.5302, 0.2369, 0.2876** is the 20% darker color. If you saturate the color by 10%, you get **62.1930, 0.2376, 0.2855**, and if you desaturate by 10%, it is **74.6887, 0.2649, 0.3045**.

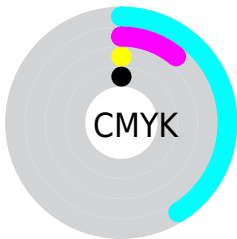
Distribution



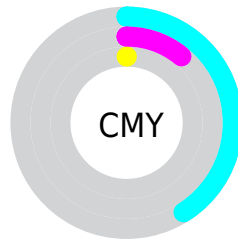
- Red (59%)
- Green (89%)
- Blue (100%)



- Red (59%)
- Yellow (76%)
- Blue (100%)



- Cyan (41%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)




- Cyan (41%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.0967, 0.2507, 0.2953 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 68.0967, 0.2507, 0.2953 by changing the saturation by 10% instead.

 68.0967, 0.2507,
0.2953

 68.0967, 0.2507,
0.2953


453.8386, 0.2790,
0.3115

 49.9764, 0.2444,
0.2915


 116.4905, 0.2604,
0.3010

 35.3947, 0.2366,
0.2867


 147.5327, 0.2642,
0.3032

 23.9670, 0.2269,
0.2805


183.6511, 0.2675,
0.3051

 15.3092, 0.2145,
0.2724

225.2300, 0.2704,
0.3068

 9.0367, 0.1981,
0.2612

272.6538, 0.2729,
0.3082

 4.7651, 0.1755,
0.2447

326.3069, 0.2752,

 2.1101, 0.1430,

0.3094

0.2191

386.5737, 0.2772,
0.3105

0.6703, 0.0637,
0.1776

0.0000, 0.0000,
0.0000

68.0967, 0.2507,
0.2953

68.0967, 0.2507,
0.2953

62.1930, 0.2376,
0.2855

74.6887, 0.2649,
0.3045

56.9332, 0.2259,
0.2753

81.9942, 0.2799,
0.3131

52.2796, 0.2161,
0.2649

90.0467, 0.2953,
0.3210

48.1859, 0.2082,
0.2544

98.8747, 0.3109,
0.3282

■ 44.5968, 0.2023,
0.2439

99.9992, 0.3127,
0.3290

■ 41.7823, 0.1986,
0.2348

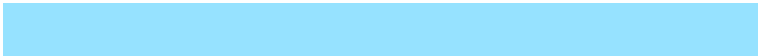
Harmonies

Analogous

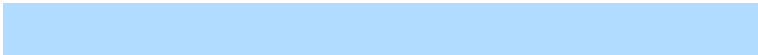
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.0967, 0.2582, 0.3233



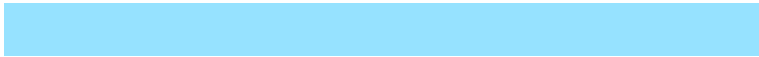
68.0967, 0.2507, 0.2953



68.0967, 0.2586, 0.2784

Triad

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



68.0967, 0.2507, 0.2953



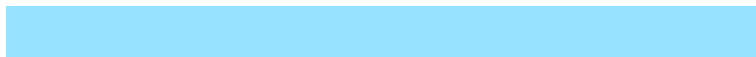
68.0967, 0.3451, 0.3043



68.0967, 0.3435, 0.3884

Complementary

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



68.0967, 0.2507, 0.2953



55.6566, 0.4060, 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.



68.0967, 0.3687, 0.3792



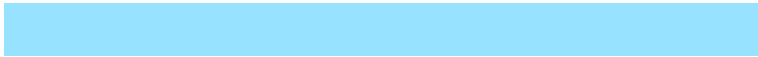
68.0967, 0.2507, 0.2953



68.0967, 0.3702, 0.3304

Square

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



68.0967, 0.2507, 0.2953



68.0967, 0.3119, 0.2844



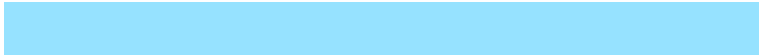
68.0967, 0.3789, 0.3575



68.0967, 0.3108, 0.3799

Rectangle

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



68.0967, 0.2507, 0.2953



68.0967, 0.2718, 0.2746



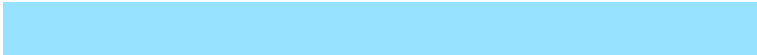
68.0967, 0.3789, 0.3575



68.0967, 0.3532, 0.3871

Sweetspot

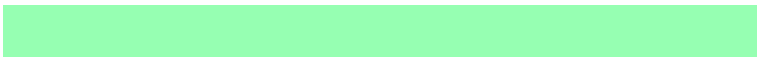
The Sweet Spot groups the original color and five complimentary colors.



68.0993, 0.2507, 0.2953



89.3854, 0.2941, 0.3204



81.2016, 0.2930, 0.4222



18.8994, 0.2921, 0.3194



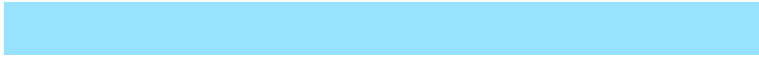
0.0000, 0.0000, 0.0000



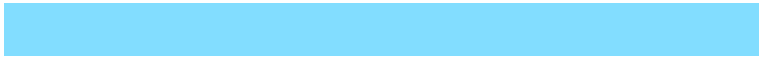
21.4041, 0.3127, 0.3290

Same Dimension

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



68.0993, 0.2507, 0.2953



63.4434, 0.2404, 0.2877



44.1398, 0.2404, 0.2315



19.5847, 0.2980, 0.3223



22.0976, 0.1991, 0.2366



2.3347, 0.2023, 0.2484

Inverse Universe

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



48.5396, 0.3426, 0.2525



42.4349, 0.3502, 0.2389



80.3152, 0.3838, 0.4101



18.2099, 0.3180, 0.3119



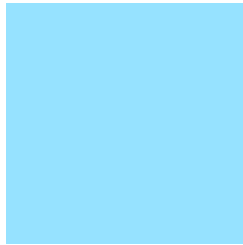
12.9587, 0.4058, 0.2009



1.2802, 0.3939, 0.1943

Previews

White Background



This preview shows how the Yxy color 68.0967, 0.2507, 0.2953 looks on a white background.

Color Contrast Check

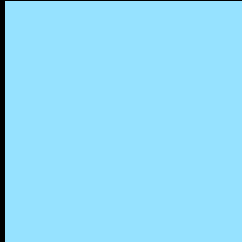
Large Text (above 18pt) WCAG AA × Fail

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 68.0967, 0.2507, 0.2953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

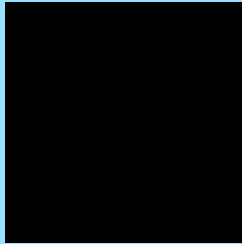
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.0967, 0.2507, 0.2953

Background



This preview shows how black text looks on a background with the Yxy color 68.0967, 0.2507, 0.2953.



This preview shows how white text looks on a background with the Yxy color 68.0967, 0.2507, 0.2953.

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

68.0967, 0.2507, 0.2953

Protanopia

67.7976, 0.2885, 0.2931

Deuteranopia

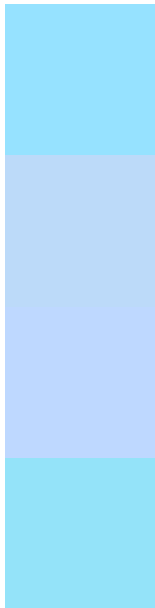
67.4593, 0.2856, 0.2811



Tritanopia

68.3437, 0.2539, 0.3076

Trichromacy



Original Color

68.0967, 0.2507, 0.2953

Protanomaly

67.6737, 0.2736, 0.2943

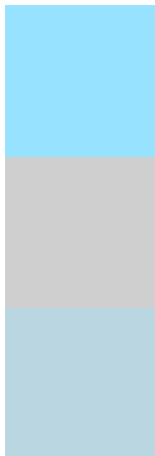
Deuteranomaly

67.2789, 0.2713, 0.2859

Tritanomaly

68.0736, 0.2528, 0.3031

Monochromacy



Original Color

68.0967, 0.2507, 0.2953

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

63.9141, 0.2866, 0.3172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0967, 0.2507, 0.2953 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(150, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(150, 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(150, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 226, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.0967, 0.2507, 0.2953 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(150, 226, 255) }
```

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

```
.border{ border-color:rgb(150, 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(150, 226, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(150, 226,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0967, 0.2507, 0.2953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 226, 255) }
```

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

```
.background{ background-color: rgb(150,  
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](#).

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