

# Converting Colors

$Y_{xy}(68.2601, 0.2595, 0.3041)$

Have a look what the booklet for  
Yxy(68.2601, 0.2595, 0.3041)  
contains.

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# Color

**Yxy(68.0394, 0.2595, 0.3033)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | A0E1F7                      |
| RGB         | 160, 225, 247               |
| RGB Percent | 63%, 88%, 97%               |
| CMY         | 0.3725, 0.1176, 0.0313      |
| CMYK        | 0.35, 0.09, 0.00, 0.03      |
| HSL         | 195°, 85%, 80%              |
| HSV         | 195°, 35%, 97%              |
| XYZ         | 58.2137, 68.0394, 98.0772   |
| YIQ         | 208.0730, -45.8020, -6.9380 |

# Conversions

## Conversions Part 2

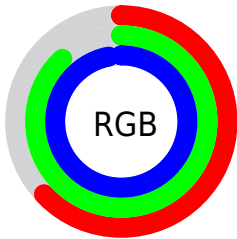
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>R<sub>YB</sub></b>               | 160, 197, 247                  |
| Decimal                             | 10543607                       |
| CIE <sub>Lab</sub>                  | 86.03, -15.15, -17.24          |
| CIE <sub>LCh</sub>                  | 86, 22.954, 228.701            |
| Yxy                                 | 68.0394, 0.2595,<br>0.3033     |
| Android<br>(android.graphics.Color) | 4288733687<br>(0xFFA0E1F7)     |
| YUV                                 | 208.0730, 19.1910,<br>-42.1600 |
| Hunter-Lab                          | 82.4860, -18.3758,<br>-12.7566 |

# Details

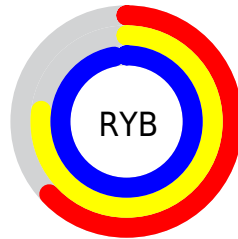
The Yxy color **68.0394, 0.2595, 0.3033** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.7832, 0.3888, 0.3530**, and the grayscale version is **63.0245, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4917, 0.2900, 0.3289**, and **35.5143, 0.2473, 0.2967** is the 20% darker color. If you saturate the color by 10%, you get **62.4256, 0.2459, 0.2947**, and if you desaturate by 10%, it is **74.2881, 0.2740, 0.3114**.

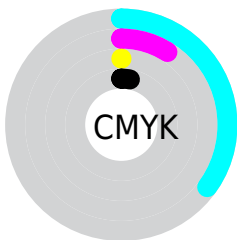
# Distribution



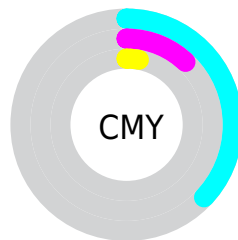
- Red (63%)
- Green (88%)
- Blue (97%)



- Red (63%)
- Yellow (77%)
- Blue (97%)



- Cyan (35%)
- Magenta (9%)
- Yellow (0%)
- Black (3%)




- Cyan (37%)
- Magenta (12%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.0394, 0.2595, 0.3033 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 68.0394, 0.2595, 0.3033 by changing the saturation by 10% instead.




 68.0394, 0.2595,  
0.3033

 68.0394, 0.2595,  
0.3033


453.6356, 0.2839,  
0.3157

 49.9298, 0.2540,  
0.3003


 116.4085, 0.2679,  
0.3077

 35.3576, 0.2472,  
0.2966


 147.4368, 0.2712,  
0.3094

 23.9385, 0.2387,  
0.2919


183.5401, 0.2740,  
0.3108

 15.2880, 0.2278,  
0.2855

225.1028, 0.2765,  
0.3121

 9.0218, 0.2131,  
0.2766

272.5093, 0.2787,  
0.3132

 4.7554, 0.1926,  
0.2633

326.1440, 0.2806,

 2.1045, 0.1623,

0.3141

0.2420

386.3913, 0.2824,  
0.3150

0.6671, 0.0820,  
0.2070

0.0000, 0.0000,  
0.0000

68.0394, 0.2595,  
0.3033

68.0394, 0.2595,  
0.3033

62.4256, 0.2459,  
0.2947

74.2881, 0.2740,  
0.3114

57.4072, 0.2337,  
0.2856

81.1925, 0.2892,  
0.3189

52.9523, 0.2230,  
0.2762

88.7823, 0.3046,  
0.3257

49.0219, 0.2143,  
0.2667

96.3520, 0.3176,  
0.3319

■ 45.5709, 0.2075,  
0.2572

■ 99.4968, 0.3173,  
0.3366

■ 42.5439, 0.2027,  
0.2477

■ 41.2098, 0.2009,  
0.2432

# Harmonies

## Analogous

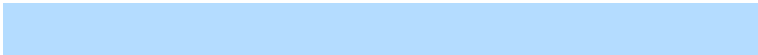
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.0394, 0.2679, 0.3281



68.0394, 0.2595, 0.3033



68.0394, 0.2645, 0.2870

# Triad

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



68.0394, 0.2595, 0.3033



68.0394, 0.3367, 0.3050



68.0394, 0.3427, 0.3793

# Complementary

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



68.0394, 0.2595, 0.3033



55.7832, 0.3888, 0.3530

# 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.



68.0394, 0.3627, 0.3701



68.0394, 0.2595, 0.3033



68.0394, 0.3594, 0.3272

# Square

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



68.0394, 0.2595, 0.3033



68.0394, 0.3081, 0.2889



68.0394, 0.3690, 0.3507



68.0394, 0.3152, 0.3740



# Rectangle

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



68.0394, 0.2595, 0.3033



68.0394, 0.2749, 0.2825



68.0394, 0.3690, 0.3507



68.0394, 0.3506, 0.3777

# Sweetspot

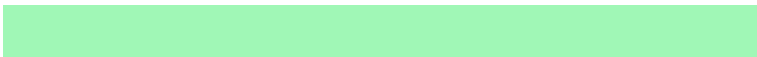
The Sweet Spot groups the original color and five complimentary colors.



68.0421, 0.2595, 0.3033



90.6170, 0.2957, 0.3218



77.3768, 0.2962, 0.4080



19.1618, 0.2936, 0.3209



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

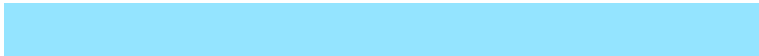


# Same Dimension

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



68.0421, 0.2595, 0.3033



68.9366, 0.2501, 0.2975



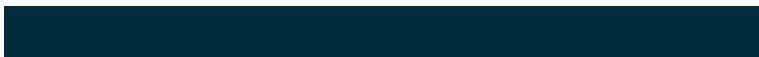
47.5485, 0.2522, 0.2500



18.0061, 0.2980, 0.3229



22.0289, 0.2013, 0.2448



2.0992, 0.2046, 0.2566



# Inverse Universe

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



50.3580, 0.3353, 0.2617



48.0042, 0.3411, 0.2488



76.3119, 0.3730, 0.3970



16.6924, 0.3177, 0.3115



12.3232, 0.3974, 0.1963

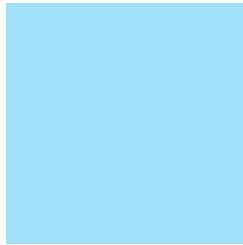


1.0996, 0.3857, 0.1898



# Previews

## White Background



This preview shows how the Yxy color 68.0394, 0.2595, 0.3033 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

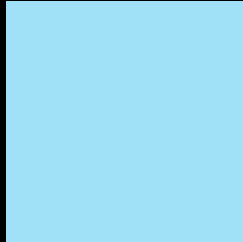
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.0394, 0.2595, 0.3033 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 68.0394, 0.2595, 0.3033**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.0394, 0.2595, 0.3033.

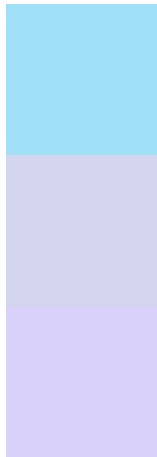


This preview shows how white text looks on a background with the Yxy color 68.0394, 0.2595, 0.3033.

# 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

68.0394, 0.2595, 0.3033

### Protanopia

67.6694, 0.2942, 0.3006

### Deuteranopia

67.4085, 0.2920, 0.2854



## Tritanopia

68.2953, 0.2607, 0.3079

# Trichromacy



## Original Color

68.0394, 0.2595, 0.3033

## Protanomaly

67.2430, 0.2800, 0.3009

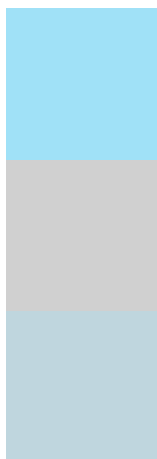
## Deuteranomaly

67.3107, 0.2790, 0.2914

## Tritanomaly

68.3562, 0.2601, 0.3067

# Monochromacy



## Original Color

68.0394, 0.2595, 0.3033

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

64.4434, 0.2912, 0.3196

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.0394, 0.2595, 0.3033 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(160, 225, 247)` looks like.

```
.text, #text, p{  
    color:rgb(160, 225, 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(160, 225, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 225, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 68.0394, 0.2595, 0.3033 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(160, 225, 247) }
```

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

```
.border{ border-color:rgb(160, 225, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 225, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 225, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 225, 247);  
box-shadow:4px 4px 4px 4px rgb(160, 225,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.0394, 0.2595, 0.3033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 225, 247) }
```

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

```
.background{ background-color: rgb(160,  
225, 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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