

# Converting Colors

$Yxy(68.0945, 0.2378, 0.3209)$

Have a look what the booklet for  
Yxy(68.0945, 0.2378, 0.3209)  
contains.

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# Color

**Yxy(68.3642, 0.2380, 0.3214)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 62EBF1                       |
| RGB         | 98, 235, 241                 |
| RGB Percent | 38%, 92%, 95%                |
| CMY         | 0.6154, 0.0784, 0.0550       |
| CMYK        | 0.59, 0.02, 0.00, 0.06       |
| HSL         | 183°, 84%, 66%               |
| HSV         | 183°, 59%, 94%               |
| XYZ         | 50.6244, 68.3642, 93.7189    |
| YIQ         | 194.7210, -83.5780, -27.1780 |

# Conversions

## Conversions Part 2

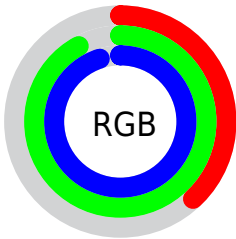
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 98, 168, 241                   |
| Decimal                             | 6482929                        |
| CIE Lab                             | 86.19, -35.17, -14.06          |
| CIE LCh                             | 86, 37.873, 201.794            |
| Yxy                                 | 68.3642, 0.2380,<br>0.3214     |
| Android<br>(android.graphics.Color) | 4284673009<br>(0xFF62EBF1)     |
| YUV                                 | 194.7210, 22.8155,<br>-84.8243 |
| Hunter-Lab                          | 82.6826, -35.4038,<br>-9.3260  |

# Details

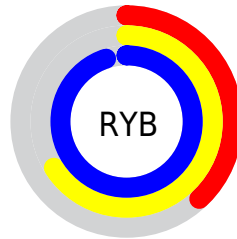
The Yxy color **68.3642, 0.2380, 0.3214** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **29.4889, 0.4941, 0.3355**, and the grayscale version is **54.3104, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3171, 0.2610, 0.3288**, and **35.7430, 0.2219, 0.3188** is the 20% darker color. If you saturate the color by 10%, you get **66.6462, 0.2310, 0.3200**, and if you desaturate by 10%, it is **70.4940, 0.2469, 0.3228**.

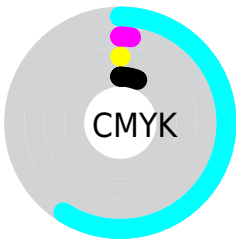
# Distribution



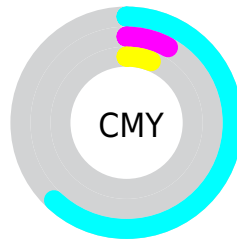
- Red (38%)
- Green (92%)
- Blue (95%)



- Red (38%)
- Yellow (66%)
- Blue (95%)



- Cyan (59%)
- Magenta (2%)
- Yellow (0%)
- Black (6%)




- Cyan (62%)
- Magenta (8%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.3642, 0.2380, 0.3214 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 68.3642, 0.2380, 0.3214 by changing the saturation by 10% instead.




 68.3642, 0.2380,  
0.3214

 68.3642, 0.2380,  
0.3214


454.7853, 0.2720,  
0.3260


 50.1941, 0.2304,  
0.3201


 116.8730, 0.2497,  
0.3232

 35.5676, 0.2212,  
0.3184


 147.9805, 0.2542,  
0.3238

 24.1005, 0.2096,  
0.3160


 184.1692, 0.2582,  
0.3243

 15.4082, 0.1948,  
0.3126

225.8236, 0.2617,  
0.3248

 9.1063, 0.1754,  
0.3073

273.3280, 0.2647,  
0.3251

 4.8106, 0.1489,  
0.2986

327.0668, 0.2674,

 2.1366, 0.1117,

0.3255

387.4244, 0.2698,  
0.3257

0.2825

0.6851, 0.0000,  
0.2601

0.0000, 0.0000,  
0.0000

68.3642, 0.2380,  
0.3214

68.3642, 0.2380,  
0.3214

66.6462, 0.2310,  
0.3200

70.4940, 0.2469,  
0.3228

65.2949, 0.2260,  
0.3186

73.0608, 0.2576,  
0.3242


64.2685, 0.2228,  
0.3172

76.0965, 0.2700,  
0.3255


63.4977, 0.2211,  
0.3158

79.6280, 0.2836,  
0.3268

 63.4471, 0.2210,  
0.3157

 83.6802, 0.2984,  
0.3280

 88.2763, 0.3138,  
0.3291

 91.1390, 0.3219,  
0.3301

 91.7398, 0.3218,  
0.3311

 92.3439, 0.3217,  
0.3320

# Harmonies

## Analogous

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



68.3642, 0.2676, 0.3677



68.3642, 0.2380, 0.3214



68.3642, 0.2275, 0.2820

# Triad

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



68.3642, 0.2380, 0.3214



68.3642, 0.3092, 0.2674



68.3642, 0.3917, 0.3973

# Complementary

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



68.3642, 0.2380, 0.3214



29.4889, 0.4941, 0.3355

# 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.



68.3642, 0.4059, 0.3656



68.3642, 0.2380, 0.3214



68.3642, 0.3565, 0.2936

# Square

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



68.3642, 0.2380, 0.3214



68.3642, 0.2662, 0.2548



68.3642, 0.3930, 0.3284



68.3642, 0.3562, 0.4131

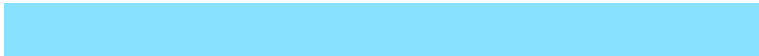


# Rectangle

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



68.3642, 0.2380, 0.3214



68.3642, 0.2319, 0.2647



68.3642, 0.3930, 0.3284



68.3642, 0.3992, 0.3879

# Sweetspot

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



68.3668, 0.2380, 0.3214



91.0931, 0.2854, 0.3269



66.4682, 0.3019, 0.5154



19.2294, 0.2813, 0.3266



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.



68.3668, 0.2380, 0.3214



75.4647, 0.2299, 0.3197



35.7747, 0.2167, 0.2259



17.8091, 0.2981, 0.3280



34.4685, 0.2211, 0.3159



2.9023, 0.2216, 0.3177



# Inverse Universe

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



33.4440, 0.3250, 0.1954



32.8935, 0.3274, 0.1779



49.9616, 0.4398, 0.4095



16.0193, 0.3144, 0.3067



13.2730, 0.3316, 0.1601

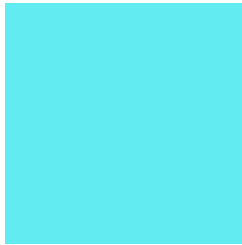


1.1077, 0.3301, 0.1592



# Previews

## White Background



This preview shows how the Yxy color 68.3642, 0.2380, 0.3214 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

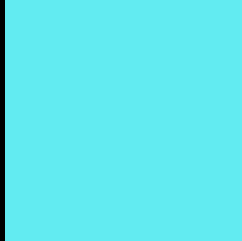
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.3642, 0.2380, 0.3214 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

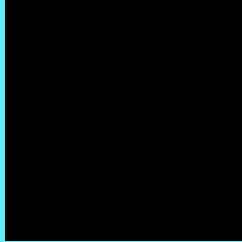
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.3642, 0.2380, 0.3214**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.3642, 0.2380, 0.3214.

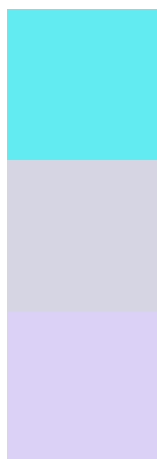


This preview shows how white text looks on a background with the Yxy color 68.3642, 0.2380, 0.3214.

# 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

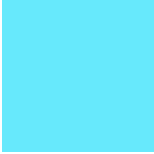
68.3642, 0.2380, 0.3214

### Protanopia

67.4307, 0.3041, 0.3135

### Deuteranopia

67.3764, 0.2946, 0.2885



## **Tritanopia**

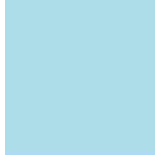
68.1897, 0.2345, 0.3058

# Trichromacy



## Original Color

68.3642, 0.2380, 0.3214



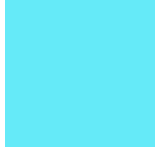
## Protanomaly

66.3098, 0.2737, 0.3160



## Deuteranomaly

65.8493, 0.2680, 0.2979



## Tritanomaly

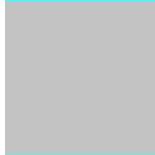
68.3896, 0.2358, 0.3117

# Monochromacy



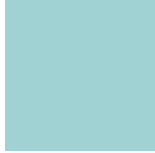
## Original Color

68.3642, 0.2380, 0.3214



## Achromatopsia

54.5724, 0.3127, 0.3290



## Achromatomaly

58.3202, 0.2766, 0.3264

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.3642, 0.2380, 0.3214 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(98, 235, 241)` looks like.

```
.text, #text, p{  
    color:rgb(98, 235, 241)  
}
```

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(98, 235, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 235, 241) }
```

## Border

The CSS property to change the border of an element to Yxy 68.3642, 0.2380, 0.3214 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(98, 235, 241) }
```

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

```
.border{ border-color:rgb(98, 235, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 235, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 235, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 235, 241);  
box-shadow:4px 4px 4px 4px rgb(98, 235,  
241) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.3642, 0.2380, 0.3214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 235, 241) }
```

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

```
.background{ background-color: rgb(98, 235,  
241) }
```

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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