

# Converting Colors

$Yxy(66.4942, 0.2354, 0.3171)$

Have a look what the booklet for  
Yxy(66.4942, 0.2354, 0.3171)  
contains.

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# Color

**Yxy(66.3913, 0.2355, 0.3175)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5DE8F1
RGB	93, 232, 241
RGB Percent	36%, 91%, 95%
CMY	0.6357, 0.0902, 0.0547
CMYK	0.61, 0.04, 0.00, 0.05
HSL	184°, 84%, 65%
HSV	184°, 61%, 95%
XYZ	49.2446, 66.3913, 93.4706
YIQ	191.4650, -85.7330, -26.6690

# Conversions

## Conversions Part 2

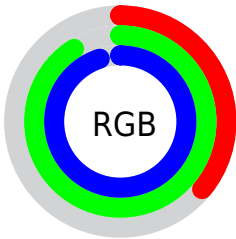
Format	Color
R <sub>YB</sub>	93, 165, 241
Decimal	6154481
CIE Lab	85.20, -34.60, -15.60
CIE LCh	85, 37.959, 204.272
Yxy	66.3913, 0.2355, 0.3175
Android (android.graphics.Color)	4284344561 (0xFF5DE8F1)
YUV	191.4650, 24.4208, -86.3538
Hunter-Lab	81.4809, -34.7115, -10.9778

# Details

The Yxy color **66.3913, 0.2355, 0.3175** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **28.9857, 0.5021, 0.3384**, and the grayscale version is **52.2640, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9081, 0.2592, 0.3288**, and **34.5535, 0.2205, 0.3138** is the 20% darker color. If you saturate the color by 10%, you get **64.5056, 0.2287, 0.3154**, and if you desaturate by 10%, it is **68.6850, 0.2442, 0.3196**.

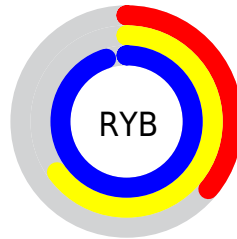
# Distribution



Red (36%)

Green (91%)

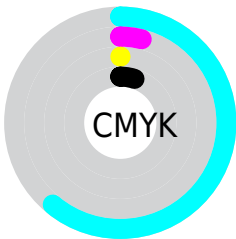
Blue (95%)



Red (36%)

Yellow (65%)

Blue (95%)

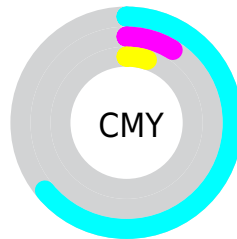


Cyan (61%)

Magenta (4%)

Yellow (0%)

Black (5%)



Cyan (64%)

Magenta (9%)


Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.3913, 0.2355, 0.3175 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 66.3913, 0.2355, 0.3175 by changing the saturation by 10% instead.




 66.3913, 0.2355,  
0.3175


 66.3913, 0.2355,  
0.3175


447.7750, 0.2708,  
0.3240


 48.5901, 0.2276,  
0.3157


 114.0478, 0.2476,  
0.3200

 34.2944, 0.2180,  
0.3134


 144.6719, 0.2523,  
0.3209

 23.1199, 0.2060,  
0.3103


 180.3390, 0.2565,  
0.3216

 14.6821, 0.1906,  
0.3058

 221.4337, 0.2600,  
0.3222

 8.5966, 0.1704,  
0.2990

268.3402, 0.2632,  
0.3228

 4.4790, 0.1429,  
0.2880

321.4430, 0.2660,

 1.9449, 0.1041,

0.3232

0.2684

381.1265, 0.2685,  
0.3236

0.5752, 0.0000,  
0.2296

0.0000, 0.0000,  
0.0000

66.3913, 0.2355,  
0.3175

66.3913, 0.2355,  
0.3175

64.5056, 0.2287,  
0.3154

68.6850, 0.2442,  
0.3196

62.9817, 0.2238,  
0.3133


71.4128, 0.2548,  
0.3216


61.7755, 0.2208,  
0.3113


74.6076, 0.2670,  
0.3236

60.9341, 0.2193,  
0.3096


78.2966, 0.2805,  
0.3254

 82.5051, 0.2951,  
0.3272

 87.2567, 0.3104,  
0.3288

 91.2950, 0.3218,  
0.3302

 92.1749, 0.3217,  
0.3317

 93.0618, 0.3216,  
0.3331

# Harmonies

## Analogous

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



66.3913, 0.2640, 0.3645



66.3913, 0.2355, 0.3175



66.3913, 0.2266, 0.2788

# Triad

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



66.3913, 0.2355, 0.3175



66.3913, 0.3131, 0.2684



66.3913, 0.3903, 0.4001

# Complementary

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



66.3913, 0.2355, 0.3175



28.9857, 0.5021, 0.3384

# 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.



66.3913, 0.4069, 0.3689



66.3913, 0.2355, 0.3175



66.3913, 0.3607, 0.2958

# Square

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



66.3913, 0.2355, 0.3175



66.3913, 0.2688, 0.2545



66.3913, 0.3961, 0.3314



66.3913, 0.3531, 0.4144

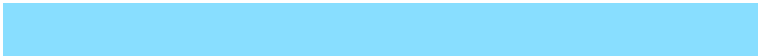


# Rectangle

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



66.3913, 0.2355, 0.3175



66.3913, 0.2322, 0.2624



66.3913, 0.3961, 0.3314



66.3913, 0.3986, 0.3910

# Sweetspot

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



66.3938, 0.2355, 0.3175



90.5372, 0.2854, 0.3260



66.1836, 0.3006, 0.5197



19.0914, 0.2812, 0.3255



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.



66.3938, 0.2355, 0.3175



72.7861, 0.2272, 0.3148



33.6653, 0.2127, 0.2178



17.7542, 0.2981, 0.3275



33.1035, 0.2194, 0.3099



2.8036, 0.2202, 0.3126



# Inverse Universe

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



32.3456, 0.3283, 0.1939



31.6925, 0.3316, 0.1767



49.9147, 0.4436, 0.4141



16.0138, 0.3147, 0.3071



13.1352, 0.3368, 0.1629

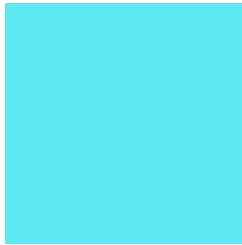


1.0977, 0.3345, 0.1616



# Previews

## White Background



This preview shows how the Yxy color 66.3913, 0.2355, 0.3175 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

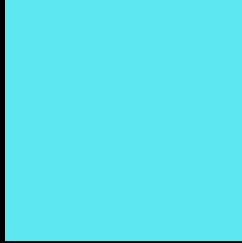
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.3913, 0.2355, 0.3175 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

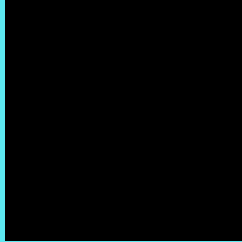
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.3913, 0.2355, 0.3175**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.3913, 0.2355, 0.3175.

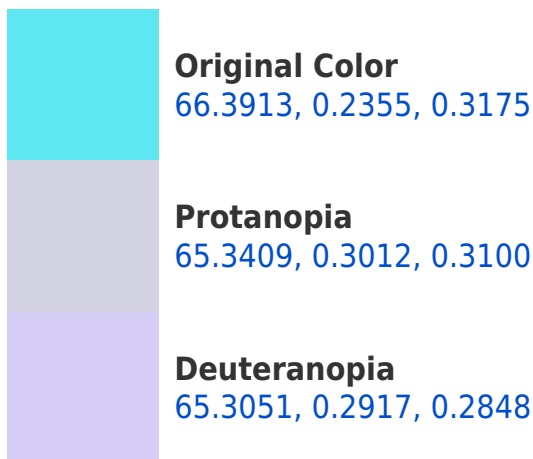


This preview shows how white text looks on a background with the Yxy color 66.3913, 0.2355, 0.3175.

# 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

66.5328, 0.2333, 0.3067

# Trichromacy



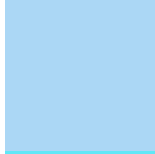
## Original Color

66.3913, 0.2355, 0.3175



## Protanomaly

64.1845, 0.2703, 0.3122



## Deuteranomaly

63.8514, 0.2652, 0.2941



## Tritanomaly

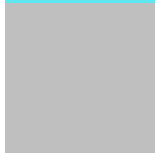
66.2924, 0.2342, 0.3103

# Monochromacy



## Original Color

66.3913, 0.2355, 0.3175



## Achromatopsia

52.0996, 0.3127, 0.3290



## Achromatomaly

55.7146, 0.2748, 0.3250

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.3913, 0.2355, 0.3175 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(93, 232, 241)` looks like.

```
.text, #text, p{  
    color:rgb(93, 232, 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(93, 232, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 232, 241) }
```

## Border

The CSS property to change the border of an element to Yxy 66.3913, 0.2355, 0.3175 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(93, 232, 241) }
```

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

```
.border{ border-color:rgb(93, 232, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 232, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 232, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 232, 241);  
box-shadow:4px 4px 4px 4px rgb(93, 232,  
241) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.3913, 0.2355, 0.3175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 232, 241) }
```

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

```
.background{ background-color: rgb(93, 232,  
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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