

# Converting Colors

$Yxy(66.7880, 0.2417, 0.3405)$

Have a look what the booklet for  
Yxy(66.7880, 0.2417, 0.3405)  
contains.

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# Color

**Yxy(66.9768, 0.2419, 0.3416)**

# Conversions

## Conversions Part 1

Format	Color
Hex	59EBE1
RGB	89, 235, 225
RGB Percent	35%, 92%, 88%
CMY	0.6504, 0.0785, 0.1176
CMYK	0.62, 0.00, 0.04, 0.08
HSL	176°, 78%, 64%
HSV	176°, 62%, 92%
XYZ	47.4288, 66.9768, 81.6623
YIQ	190.2060, -83.8060, -34.0620

# Conversions

## Conversions Part 2

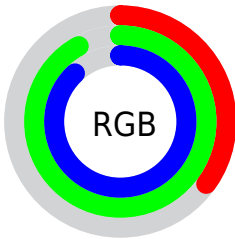
Format	Color
R <sub>Y</sub> B	89, 165, 235
Decimal	5893089
CIE Lab	85.49, -40.88, -6.73
CIE LCh	85, 41.429, 189.343
Yxy	66.9768, 0.2419, 0.3416
Android (android.graphics.Color)	4284083169 (0xFF59EBE1)
YUV	190.2060, 17.1534, -88.7577
Hunter-Lab	81.8394, -39.7717, -1.8742

# Details

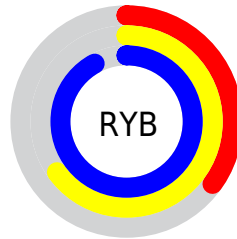
The Yxy color **66.9768, 0.2419, 0.3416** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **25.7336, 0.4980, 0.3196**, and the grayscale version is **51.5764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5123, 0.2574, 0.3288**, and **35.1425, 0.2290, 0.3442** is the 20% darker color. If you saturate the color by 10%, you get **65.9068, 0.2364, 0.3439**, and if you desaturate by 10%, it is **68.4238, 0.2493, 0.3393**.

# Distribution



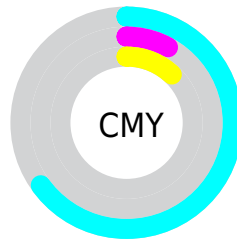
- Red (35%)
- Green (92%)
- Blue (88%)



- Red (35%)
- Yellow (65%)
- Blue (92%)



- Cyan (62%)
- Magenta (0%)
- Yellow (4%)
- Black (8%)




- Cyan (65%)
- Magenta (8%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.9768, 0.2419, 0.3416 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 66.9768, 0.2419, 0.3416 by changing the saturation by 10% instead.




 66.9768, 0.2419,  
0.3416


 66.9768, 0.2419,  
0.3416


449.8622, 0.2745,  
0.3364

 49.0658, 0.2345,  
0.3426


 114.8872, 0.2532,  
0.3399

 34.6717, 0.2255,  
0.3438


 145.6553, 0.2576,  
0.3392

 23.4101, 0.2141,  
0.3452


 181.4779, 0.2614,  
0.3386

 14.8966, 0.1994,  
0.3467

 222.7394, 0.2647,  
0.3381

 8.7468, 0.1797,  
0.3482

269.8242, 0.2676,  
0.3376

 4.5764, 0.1525,  
0.3494

323.1167, 0.2702,

 2.0009, 0.1104,

0.3371

383.0012, 0.2725,  
0.3367

0.3495

0.6080, 0.0000,  
0.3474

0.0000, 0.0000,  
0.0000

66.9768, 0.2419,  
0.3416

66.9768, 0.2419,  
0.3416

65.9068, 0.2364,  
0.3439

68.4238, 0.2493,  
0.3393

65.1695, 0.2328,  
0.3462


70.2721, 0.2586,  
0.3371


64.7233, 0.2311,  
0.3485


72.5526, 0.2696,  
0.3349

64.5208, 0.2307,  
0.3504


75.2913, 0.2819,  
0.3329

 78.5120, 0.2954,  
0.3311

 82.2370, 0.3097,  
0.3293

 86.4870, 0.3245,  
0.3278

 86.8378, 0.3244,  
0.3262

 86.9328, 0.3234,  
0.3246

# Harmonies

## Analogous

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



66.9768, 0.2813, 0.3910



66.9768, 0.2419, 0.3416



66.9768, 0.2217, 0.2930

# Triad

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



66.9768, 0.2419, 0.3416



66.9768, 0.2877, 0.2541



66.9768, 0.4093, 0.3902

# Complementary

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



66.9768, 0.2419, 0.3416



25.7336, 0.4980, 0.3196

# 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.



66.9768, 0.4132, 0.3517



66.9768, 0.2419, 0.3416



66.9768, 0.3395, 0.2769

# Square

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



66.9768, 0.2419, 0.3416



66.9768, 0.2463, 0.2476



66.9768, 0.3870, 0.3115



66.9768, 0.3785, 0.4171



# Rectangle

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



66.9768, 0.2419, 0.3416



66.9768, 0.2204, 0.2690



66.9768, 0.3870, 0.3115



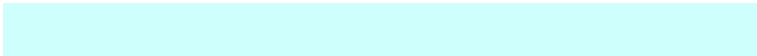
66.9768, 0.4140, 0.3781

# Sweetspot

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



66.9794, 0.2419, 0.3416



91.7288, 0.2858, 0.3324



62.9198, 0.3089, 0.5264



19.4079, 0.2821, 0.3329



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.



66.9794, 0.2419, 0.3416



79.1040, 0.2354, 0.3445



38.4873, 0.2185, 0.2451



17.1030, 0.2990, 0.3306



35.9195, 0.2306, 0.3500



2.8259, 0.2297, 0.3468



# Inverse Universe

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



25.7336, 0.4980, 0.3196



25.7594, 0.5547, 0.3202



40.1704, 0.4609, 0.3942



15.0708, 0.3282, 0.3274



9.8573, 0.6326, 0.3259

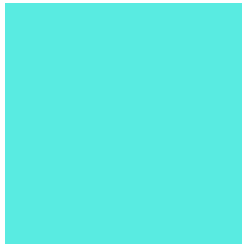


0.7799, 0.6135, 0.3153



# Previews

## White Background



This preview shows how the Yxy color 66.9768, 0.2419, 0.3416 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

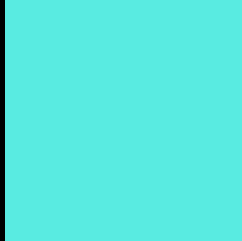
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.9768, 0.2419, 0.3416 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

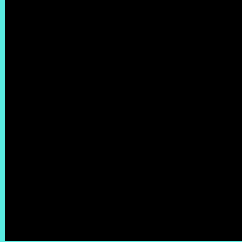
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.9768, 0.2419, 0.3416**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.9768, 0.2419, 0.3416.



This preview shows how white text looks on a background with the Yxy color 66.9768, 0.2419, 0.3416.

# 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

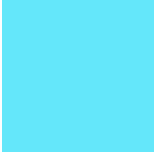
66.9768, 0.2419, 0.3416

### Protanopia

65.8906, 0.3164, 0.3290

### Deuteranopia

65.7594, 0.3088, 0.3020



## **Tritanopia**

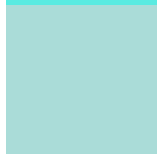
66.7633, 0.2338, 0.3056

# Trichromacy



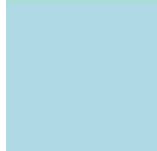
## Original Color

66.9768, 0.2419, 0.3416



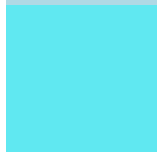
## Protanomaly

64.6903, 0.2815, 0.3337



## Deuteranomaly

64.3968, 0.2768, 0.3147



## Tritanomaly

66.5509, 0.2365, 0.3176

# Monochromacy



## Original Color

66.9768, 0.2419, 0.3416



## Achromatopsia

51.4918, 0.3127, 0.3290



## Achromatomaly

55.2267, 0.2771, 0.3328

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.9768, 0.2419, 0.3416 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(89, 235, 225)` looks like.

```
.text, #text, p{  
    color:rgb(89, 235, 225)  
}
```

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(89, 235, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 235, 225) }
```

## Border

The CSS property to change the border of an element to Yxy 66.9768, 0.2419, 0.3416 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(89, 235, 225) }
```

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

```
.border{ border-color:rgb(89, 235, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 235, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 235, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 235, 225);  
box-shadow:4px 4px 4px 4px rgb(89, 235,  
225) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.9768, 0.2419, 0.3416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 235, 225) }
```

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

```
.background{ background-color: rgb(89, 235,  
225) }
```

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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