

# Converting Colors

$Yxy(46.8679, 0.2392, 0.3086)$

Have a look what the booklet for  
Yxy(46.8679, 0.2392, 0.3086)  
contains.

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# Color

**Yxy(47.0685, 0.2393, 0.3090)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5FC5D3
RGB	95, 197, 211
RGB Percent	37%, 77%, 83%
CMY	0.6271, 0.2275, 0.1725
CMYK	0.55, 0.07, 0.00, 0.17
HSL	187°, 57%, 60%
HSV	187°, 55%, 83%
XYZ	36.4514, 47.0685, 68.8053
YIQ	168.0980, -65.2860, -17.2700

# Conversions

## Conversions Part 2

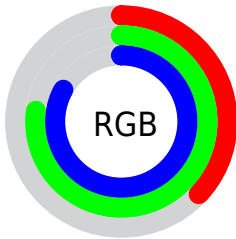
Format	Color
<b>RYB</b>	95, 149, 211
Decimal	6276563
CIELab	74.23, -25.67, -16.05
CIELCh	74, 30.274, 212.019
Yxy	47.0685, 0.2393, 0.3090
Android (android.graphics.Color)	4284466643 (0xFF5FC5D3)
YUV	168.0980, 21.1507, -64.1069
Hunter-Lab	68.6065, -25.2222, -11.4373

# Details

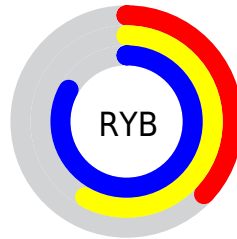
The Yxy color **47.0685, 0.2393, 0.3090** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **25.6412, 0.4649, 0.3463**, and the grayscale version is **39.1378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9736, 0.2577, 0.3277**, and **22.2047, 0.2203, 0.3032** is the 20% darker color. If you saturate the color by 10%, you get **44.9382, 0.2304, 0.3048**, and if you desaturate by 10%, it is **49.5282, 0.2499, 0.3131**.

# Distribution



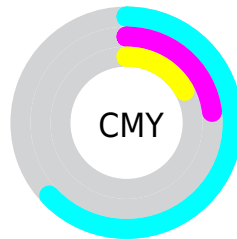
- Red (37%)
- Green (77%)
- Blue (83%)



- Red (37%)
- Yellow (58%)
- Blue (83%)



- Cyan (55%)
- Magenta (7%)
- Yellow (0%)
- Black (17%)




- Cyan (63%)
- Magenta (23%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.0685, 0.2393, 0.3090 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 47.0685, 0.2393, 0.3090 by changing the saturation by 10% instead.





 47.0685, 0.2393,  
0.3090


 47.0685, 0.2393,  
0.3090

375.0879, 0.2749,  
0.3199

 33.0898, 0.2308,  
0.3060


 85.8159, 0.2520,  
0.3132

 22.1953, 0.2201,  
0.3021


 111.3533, 0.2568,  
0.3147

 14.0004, 0.2063,  
0.2966

 141.5125, 0.2609,  
0.3159

 8.1210, 0.1879,  
0.2887

 176.6778, 0.2645,  
0.3170

 4.1725, 0.1623,  
0.2762

217.2336, 0.2676,  
0.3179

 1.7705, 0.1253,  
0.2546

263.5643, 0.2703,

 0.4687, 0.0000,

0.3186

0.2067

316.0542, 0.2728,  
0.3193

0.0000, 0.0000,  
0.0000

47.0685, 0.2393,  
0.3090

47.0685, 0.2393,  
0.3090

44.9382, 0.2304,  
0.3048

49.5282, 0.2499,  
0.3131

43.1064, 0.2234,  
0.3005

52.3344, 0.2621,  
0.3171

41.5454, 0.2184,  
0.2963

55.5095, 0.2756,  
0.3208

40.2193, 0.2151,  
0.2921

59.0722, 0.2900,  
0.3243

39.6056, 0.2139,  
0.2900

63.0402, 0.3051,  
0.3275

67.4297, 0.3206,  
0.3305

72.2562, 0.3362,  
0.3331

75.8071, 0.3449,  
0.3356

77.1371, 0.3445,  
0.3382

# Harmonies

## Analogous

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



47.0685, 0.2609, 0.3500



47.0685, 0.2393, 0.3090



47.0685, 0.2360, 0.2776

# Triad

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



47.0685, 0.2393, 0.3090



47.0685, 0.3245, 0.2797



47.0685, 0.3753, 0.3981

# Complementary

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



47.0685, 0.2393, 0.3090



25.6412, 0.4649, 0.3463

# 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.



47.0685, 0.3954, 0.3736



47.0685, 0.2393, 0.3090



47.0685, 0.3654, 0.3071

# Square

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



47.0685, 0.2393, 0.3090



47.0685, 0.2828, 0.2635



47.0685, 0.3920, 0.3405



47.0685, 0.3389, 0.4046



# Rectangle

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



47.0685, 0.2393, 0.3090



47.0685, 0.2442, 0.2654



47.0685, 0.3920, 0.3405



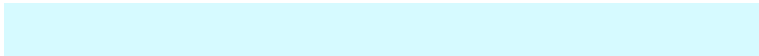
47.0685, 0.3843, 0.3915

# Sweetspot

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



47.0703, 0.2393, 0.3090



89.9564, 0.2882, 0.3239



50.1324, 0.2978, 0.4853



19.0034, 0.2851, 0.3232



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

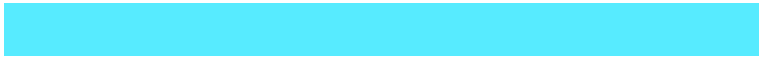


# Same Dimension

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



47.0703, 0.2393, 0.3090



68.4389, 0.2290, 0.3040



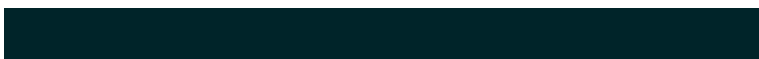
25.7596, 0.2208, 0.2205



13.1527, 0.2983, 0.3261



23.9973, 0.2141, 0.2906



1.4122, 0.2162, 0.2983



# Inverse Universe

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



26.0823, 0.3342, 0.2124



34.0049, 0.3398, 0.1940



42.1631, 0.4202, 0.4151



11.9834, 0.3156, 0.3088



10.4938, 0.3538, 0.1722



0.5939, 0.3469, 0.1685



# Previews

## White Background



This preview shows how the Yxy color 47.0685, 0.2393, 0.3090 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

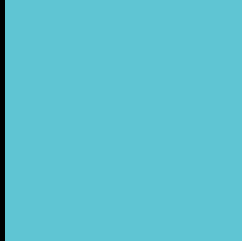
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.0685, 0.2393, 0.3090 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 47.0685, 0.2393, 0.3090**

## Background



This preview shows how black text looks on a background with the Yxy color 47.0685, 0.2393, 0.3090.



This preview shows how white text looks on a background with the Yxy color 47.0685, 0.2393, 0.3090.

# 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

47.0685, 0.2393, 0.3090

### Protanopia

46.3964, 0.2964, 0.3034

### Deuteranopia

46.2957, 0.2877, 0.2818



## Tritanopia

47.2234, 0.2387, 0.3063

# Trichromacy



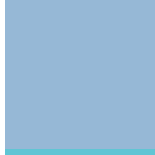
## Original Color

47.0685, 0.2393, 0.3090



## Protanomaly

45.7733, 0.2707, 0.3046



## Deuteranomaly

45.6200, 0.2654, 0.2893



## Tritanomaly

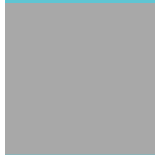
47.1728, 0.2392, 0.3077

# Monochromacy



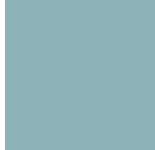
## Original Color

47.0685, 0.2393, 0.3090



## Achromatopsia

39.1572, 0.3127, 0.3290



## Achromatomaly

41.3636, 0.2781, 0.3217

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.0685, 0.2393, 0.3090 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(95, 197, 211)` looks like.

```
.text, #text, p{  
    color:rgb(95, 197, 211)  
}
```

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(95, 197, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 197, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 47.0685, 0.2393, 0.3090 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(95, 197, 211) }
```

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

```
.border{ border-color:rgb(95, 197, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 197, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 197, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 197, 211);  
box-shadow:4px 4px 4px 4px rgb(95, 197,  
211) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.0685, 0.2393, 0.3090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 197, 211) }
```

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

```
.background{ background-color: rgb(95, 197,  
211) }
```

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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