

# Converting Colors

$Y_{xy}(47.0536, 0.2432, 0.3147)$

Have a look what the booklet for  
Yxy(47.0536, 0.2432, 0.3147)  
contains.

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# Color

**Yxy(47.0901, 0.2430, 0.3146)**

# Conversions

## Conversions Part 1

Format	Color
Hex	63C5CF
RGB	99, 197, 207
RGB Percent	39%, 77%, 81%
CMY	0.6119, 0.2274, 0.1881
CMYK	0.52, 0.05, 0.00, 0.19
HSL	186°, 53%, 60%
HSV	186°, 52%, 81%
XYZ	36.3728, 47.0901, 66.2195
YIQ	168.8380, -61.6180, -17.6660

# Conversions

## Conversions Part 2

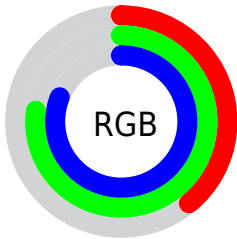
Format	Color
<b>RYB</b>	99, 150, 207
Decimal	6538703
CIELab	74.25, -25.99, -13.85
CIELCh	74, 29.449, 208.054
Yxy	47.0901, 0.2430, 0.3146
Android (android.graphics.Color)	4284728783 (0xFF63C5CF)
YUV	168.8380, 18.8139, -61.2479
Hunter-Lab	68.6222, -25.4759, -9.1785

# Details

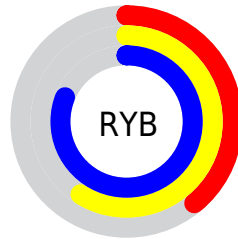
The Yxy color **47.0901, 0.2430, 0.3146** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **25.1015, 0.4556, 0.3418**, and the grayscale version is **39.5164, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2717, 0.2590, 0.3277**, and **22.2519, 0.2246, 0.3091** is the 20% darker color. If you saturate the color by 10%, you get **45.2059, 0.2340, 0.3114**, and if you desaturate by 10%, it is **49.2878, 0.2538, 0.3177**.

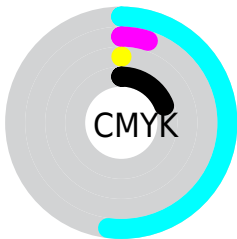
# Distribution



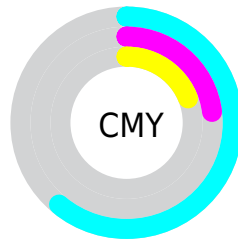
- Red (39%)
- Green (77%)
- Blue (81%)



- Red (39%)
- Yellow (59%)
- Blue (81%)



- Cyan (52%)
- Magenta (5%)
- Yellow (0%)
- Black (19%)




- Cyan (61%)
- Magenta (23%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.0901, 0.2430, 0.3146 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 47.0901, 0.2430, 0.3146 by changing the saturation by 10% instead.





 47.0901, 0.2430,  
0.3146

 47.0901, 0.2430,  
0.3146


375.1741, 0.2769,  
0.3227

 33.1069, 0.2349,  
0.3123


 85.8481, 0.2551,  
0.3177

 22.2083, 0.2246,  
0.3093


 111.3917, 0.2597,  
0.3188

 14.0101, 0.2113,  
0.3051


 141.5575, 0.2636,  
0.3197

 8.1277, 0.1935,  
0.2988

 176.7300, 0.2670,  
0.3205

 4.1767, 0.1686,  
0.2887

217.2934, 0.2700,  
0.3212

 1.7729, 0.1320,  
0.2706

263.6324, 0.2726,

 0.4702, 0.0000,

0.3217

0.2296

316.1311, 0.2749,  
0.3222

■ 0.0000, 0.0000,  
0.0000

■ 47.0901, 0.2430,  
0.3146

■ 47.0901, 0.2430,  
0.3146

■ 45.2059, 0.2340,  
0.3114

■ 49.2878, 0.2538,  
0.3177

■ 43.6065, 0.2268,  
0.3082

■ 51.8144, 0.2661,  
0.3207

■ 42.2667, 0.2216,  
0.3050

■ 54.6909, 0.2796,  
0.3235

■ 41.1544, 0.2182,  
0.3019

■ 57.9347, 0.2941,  
0.3261

■ 40.4008, 0.2165,  
0.2994

■ 61.5623, 0.3093,  
0.3285

■ 65.5889, 0.3249,  
0.3307

■ 70.0290, 0.3406,  
0.3327

■ 73.0344, 0.3488,  
0.3346

■ 74.0019, 0.3484,  
0.3365

# Harmonies

## Analogous

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



47.0901, 0.2663, 0.3548



47.0901, 0.2430, 0.3146



47.0901, 0.2373, 0.2823

# Triad

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



47.0901, 0.2430, 0.3146



47.0901, 0.3186, 0.2781



47.0901, 0.3773, 0.3940

# Complementary

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



47.0901, 0.2430, 0.3146



25.1015, 0.4556, 0.3418

# 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.



47.0901, 0.3941, 0.3686



47.0901, 0.2430, 0.3146



47.0901, 0.3592, 0.3037

# Square

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



47.0901, 0.2430, 0.3146



47.0901, 0.2788, 0.2641



47.0901, 0.3876, 0.3359



47.0901, 0.3435, 0.4029



# Rectangle

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



47.0901, 0.2430, 0.3146



47.0901, 0.2437, 0.2689



47.0901, 0.3876, 0.3359



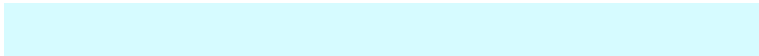
47.0901, 0.3853, 0.3869

# Sweetspot

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



47.0919, 0.2430, 0.3146



90.6764, 0.2882, 0.3251



48.3704, 0.3003, 0.4815



19.1769, 0.2852, 0.3245



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.



47.0919, 0.2430, 0.3146



72.0005, 0.2327, 0.3109



27.0987, 0.2267, 0.2329



13.2118, 0.2983, 0.3268



25.5214, 0.2166, 0.2999



1.4829, 0.2182, 0.3056



# Inverse Universe

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



26.2162, 0.3294, 0.2144



35.6253, 0.3338, 0.1949



40.0089, 0.4163, 0.4071



11.9894, 0.3152, 0.3082



10.6477, 0.3455, 0.1677

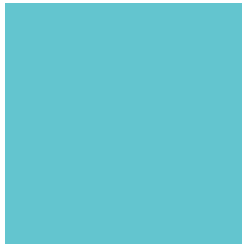


0.6010, 0.3405, 0.1649



# Previews

## White Background



This preview shows how the Yxy color 47.0901, 0.2430, 0.3146 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 47.0901, 0.2430, 0.3146 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

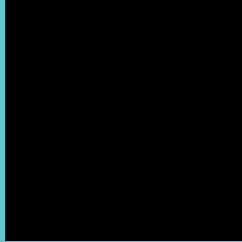
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.0901, 0.2430, 0.3146**

## Background



This preview shows how black text looks on a background with the Yxy color 47.0901, 0.2430, 0.3146.

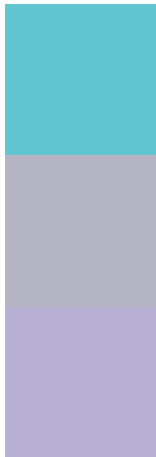


This preview shows how white text looks on a background with the Yxy color 47.0901, 0.2430, 0.3146.

# 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

47.0901, 0.2430, 0.3146

### Protanopia

46.3313, 0.3003, 0.3084

### Deuteranopia

46.4617, 0.2931, 0.2867



## Tritanopia

47.0000, 0.2411, 0.3064

# Trichromacy



## Original Color

47.0901, 0.2430, 0.3146

## Protanomaly

45.8673, 0.2754, 0.3100

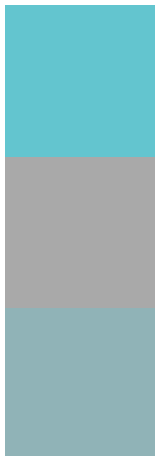
## Deuteranomaly

45.8041, 0.2707, 0.2946

## Tritanomaly

46.8423, 0.2417, 0.3091

# Monochromacy



## Original Color

47.0901, 0.2430, 0.3146

## Achromatopsia

39.6755, 0.3127, 0.3290

## Achromatomaly

41.5884, 0.2811, 0.3232

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.0901, 0.2430, 0.3146 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(99, 197, 207)` looks like.

```
.text, #text, p{  
    color:rgb(99, 197, 207)  
}
```

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(99, 197, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 197, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 47.0901, 0.2430, 0.3146 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(99, 197, 207) }
```

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

```
.border{ border-color:rgb(99, 197, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 197, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 197, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 197, 207);  
box-shadow:4px 4px 4px 4px rgb(99, 197,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.0901, 0.2430, 0.3146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 197, 207) }
```

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

```
.background{ background-color: rgb(99, 197,  
207) }
```

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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