

# Converting Colors

$Yxy(44.4238, 0.2387, 0.3022)$

Have a look what the booklet for  
Yxy(44.4238, 0.2387, 0.3022)  
contains.

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# Color

**Yxy(44.4015, 0.2384, 0.3017)**

# Conversions

## Conversions Part 1

Format	Color
Hex	60BFD2
RGB	96, 191, 210
RGB Percent	38%, 75%, 82%
CMY	0.6235, 0.2510, 0.1765
CMYK	0.54, 0.09, 0.00, 0.18
HSL	190°, 56%, 60%
HSV	190°, 54%, 82%
XYZ	35.0856, 44.4015, 67.6840
YIQ	164.7610, -62.7190, -14.2310

# Conversions

## Conversions Part 2

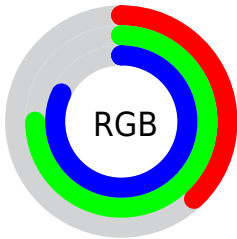
Format	Color
<b>RYB</b>	96, 148, 210
Decimal	6340562
CIELab	72.50, -22.77, -18.11
CIElCh	72, 29.097, 218.491
Yxy	44.4015, 0.2384, 0.3017
Android (android.graphics.Color)	4284530642 (0xFF60BFD2)
YUV	164.7610, 22.3028, -60.3034
Hunter-Lab	66.6345, -22.6232, -13.5797

# Details

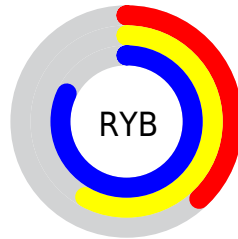
The Yxy color **44.4015, 0.2384, 0.3017** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.8012, 0.4580, 0.3526**, and the grayscale version is **37.4206, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3234, 0.2571, 0.3210**, and **20.5112, 0.2181, 0.2910** is the 20% darker color. If you saturate the color by 10%, you get **41.9052, 0.2288, 0.2958**, and if you desaturate by 10%, it is **47.2417, 0.2497, 0.3074**.

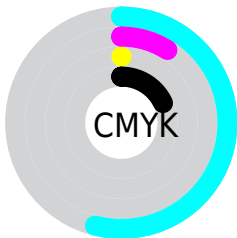
# Distribution



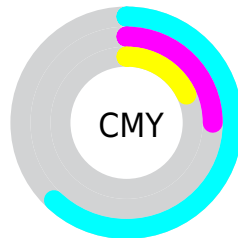
- Red (38%)
- Green (75%)
- Blue (82%)



- Red (38%)
- Yellow (58%)
- Blue (82%)



- Cyan (54%)
- Magenta (9%)
- Yellow (0%)
- Black (18%)




- Cyan (62%)
- Magenta (25%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.4015, 0.2384, 0.3017 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 44.4015, 0.2384, 0.3017 by changing the saturation by 10% instead.




 44.4015, 0.2384,  
0.3017

 44.4015, 0.2384,  
0.3017


364.3442, 0.2748,  
0.3163

 30.9863, 0.2296,  
0.2978


 81.8216, 0.2514,  
0.3072


 20.5884, 0.2186,  
0.2926


 106.5952, 0.2563,  
0.3092

 12.8235, 0.2043,  
0.2855


 135.9237, 0.2605,  
0.3109

 7.3071, 0.1851,  
0.2753

 170.1916, 0.2642,  
0.3123

 3.6549, 0.1583,  
0.2594

209.7832, 0.2673,  
0.3136

 1.4824, 0.1190,  
0.2324

255.0829, 0.2701,

 0.2763, 0.0000,

0.3146

0.1397

306.4751, 0.2726,  
0.3155

0.0000, 0.0000,  
0.0000

44.4015, 0.2384,  
0.3017

44.4015, 0.2384,  
0.3017

41.9052, 0.2288,  
0.2958

47.2417, 0.2497,  
0.3074

39.7228, 0.2211,  
0.2898

50.4430, 0.2624,  
0.3129

37.8269, 0.2152,  
0.2838

54.0275, 0.2763,  
0.3180

36.1823, 0.2113,  
0.2779

58.0139, 0.2909,  
0.3228

35.3200, 0.2096,  
0.2746

62.4193, 0.3061,  
0.3272

67.2603, 0.3215,  
0.3312

72.5520, 0.3370,  
0.3348

76.5642, 0.3454,  
0.3382

78.4077, 0.3448,  
0.3417

# Harmonies

## Analogous

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



44.4015, 0.2560, 0.3408



44.4015, 0.2384, 0.3017



44.4015, 0.2391, 0.2740

# Triad

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



44.4015, 0.2384, 0.3017



44.4015, 0.3335, 0.2856



44.4015, 0.3674, 0.3999

# Complementary

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



44.4015, 0.2384, 0.3017



26.8012, 0.4580, 0.3526

# 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.



44.4015, 0.3913, 0.3790



44.4015, 0.2384, 0.3017



44.4015, 0.3716, 0.3143

# Square

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



44.4015, 0.2384, 0.3017



44.4015, 0.2917, 0.2670



44.4015, 0.3932, 0.3477



44.4015, 0.3296, 0.4013



# Rectangle

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



44.4015, 0.2384, 0.3017



44.4015, 0.2498, 0.2644



44.4015, 0.3932, 0.3477



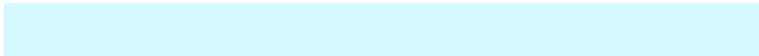
44.4015, 0.3774, 0.3947

# Sweetspot

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



44.4032, 0.2384, 0.3017



88.8078, 0.2881, 0.3220



49.7675, 0.2959, 0.4774



18.7271, 0.2850, 0.3210



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.



44.4032, 0.2384, 0.3017



64.5133, 0.2276, 0.2950



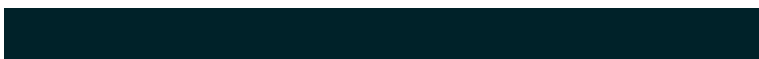
24.7181, 0.2207, 0.2161



13.0580, 0.2983, 0.3250



21.6750, 0.2099, 0.2754



1.3031, 0.2129, 0.2863



# Inverse Universe

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



25.8272, 0.3399, 0.2186



34.0146, 0.3472, 0.2010



43.3277, 0.4159, 0.4184



11.9738, 0.3163, 0.3098



10.2594, 0.3677, 0.1799

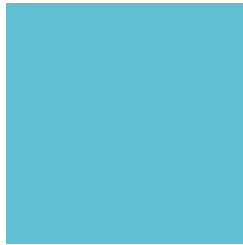


0.5828, 0.3577, 0.1744



# Previews

## White Background



This preview shows how the Yxy color 44.4015, 0.2384, 0.3017 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

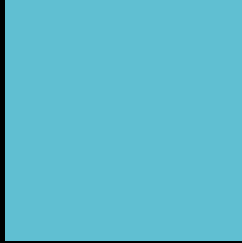
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.4015, 0.2384, 0.3017 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

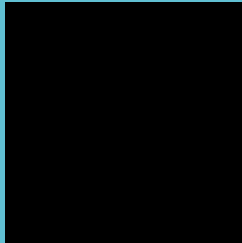
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.4015, 0.2384, 0.3017**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.4015, 0.2384, 0.3017.



This preview shows how white text looks on a background with the Yxy color 44.4015, 0.2384, 0.3017.

# 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

44.4015, 0.2384, 0.3017

### Protanopia

43.7143, 0.2914, 0.2963

### Deuteranopia

43.8561, 0.2827, 0.2770



## Tritanopia

44.1995, 0.2394, 0.3058

# Trichromacy



## Original Color

44.4015, 0.2384, 0.3017

## Protanomaly

43.4271, 0.2679, 0.2975

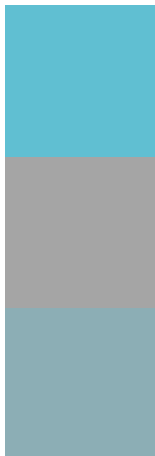
## Deuteranomaly

43.5576, 0.2627, 0.2847

## Tritanomaly

44.2486, 0.2389, 0.3044

# Monochromacy



## Original Color

44.4015, 0.2384, 0.3017

## Achromatopsia

37.6262, 0.3127, 0.3290

## Achromatomaly

39.1837, 0.2789, 0.3187

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.4015, 0.2384, 0.3017 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(96, 191, 210)` looks like.

```
.text, #text, p{  
    color:rgb(96, 191, 210)  
}
```

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(96, 191, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 191, 210) }
```

## Border

The CSS property to change the border of an element to Yxy 44.4015, 0.2384, 0.3017 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(96, 191, 210) }
```

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

```
.border{ border-color:rgb(96, 191, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 191, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 191, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 191, 210);  
box-shadow:4px 4px 4px 4px rgb(96, 191,  
210) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.4015, 0.2384, 0.3017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 191, 210) }
```

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

```
.background{ background-color: rgb(96, 191,  
210) }
```

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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