

# Converting Colors

$Y_{xy}(42.0789, 0.2394, 0.3067)$

Have a look what the booklet for  
Yxy(42.0789, 0.2394, 0.3067)  
contains.

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# Color

**Yxy(42.0802, 0.2394, 0.3067)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5CBBCA
RGB	92, 187, 202
RGB Percent	36%, 73%, 79%
CMY	0.6392, 0.2667, 0.2078
CMYK	0.54, 0.07, 0.00, 0.21
HSL	188°, 51%, 58%
HSV	188°, 54%, 79%
XYZ	32.8464, 42.0802, 62.2765
YIQ	160.3050, -61.4350, -15.4750

# Conversions

## Conversions Part 2

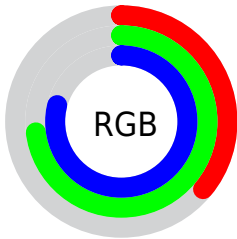
Format	Color
<a href="#">RYB</a>	<a href="#">92, 143, 202</a>
Decimal	<a href="#">6077386</a>
CIELab	<a href="#">70.93, -23.81, -16.14</a>
CIELCh	<a href="#">71, 28.764, 214.143</a>
Yxy	<a href="#">42.0802, 0.2394, 0.3067</a>
Android (android.graphics.Color)	<a href="#">4284267466</a> ( <a href="#">0xFF5CBBCA</a> )
YUV	<a href="#">160.3050, 20.5556, -59.9035</a>
Hunter-Lab	<a href="#">64.8693, -23.1380, -11.5118</a>

# Details

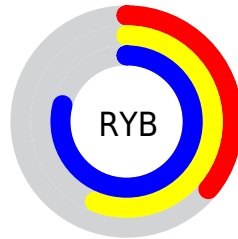
The Yxy color **42.0802, 0.2394, 0.3067** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **23.8525, 0.4608, 0.3483**, and the grayscale version is **35.2288, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8052, 0.2540, 0.3152**, and **19.3370, 0.2195, 0.2998** is the 20% darker color. If you saturate the color by 10%, you get **40.0176, 0.2302, 0.3019**, and if you desaturate by 10%, it is **44.4458, 0.2503, 0.3113**.

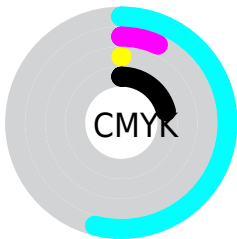
# Distribution



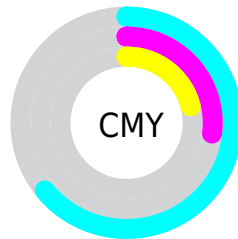
- Red (36%)
- Green (73%)
- Blue (79%)



- Red (36%)
- Yellow (56%)
- Blue (79%)



- Cyan (54%)
- Magenta (7%)
- Yellow (0%)
- Black (21%)



- Cyan (64%)
- Magenta (27%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.0802, 0.2394, 0.3067 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 42.0802, 0.2394, 0.3067 by changing the saturation by 10% instead.





 42.0802, 0.2394,  
0.3067

 42.0802, 0.2394,  
0.3067


354.8153, 0.2756,  
0.3190

 29.1641, 0.2305,  
0.3033


 78.3210, 0.2524,  
0.3114


 19.2050, 0.2193,  
0.2988


 102.4145, 0.2574,  
0.3131

 11.8185, 0.2047,  
0.2925


 131.0025, 0.2616,  
0.3145

 6.6202, 0.1848,  
0.2831

 164.4695, 0.2652,  
0.3157

 3.2257, 0.1567,  
0.2681

203.1999, 0.2683,  
0.3167

 1.2507, 0.1103,  
0.2427

247.5781, 0.2711,

 0.1025, 0.0000,

0.3175

0.0748

297.9884, 0.2735,  
0.3183

0.0000, 0.0000,  
0.0000

42.0802, 0.2394,  
0.3067

42.0802, 0.2394,  
0.3067

40.0176, 0.2302,  
0.3019

44.4458, 0.2503,  
0.3113

38.2304, 0.2229,  
0.2971

47.1299, 0.2627,  
0.3158

36.6942, 0.2175,  
0.2923

50.1524, 0.2763,  
0.3200

35.3770, 0.2140,  
0.2876

53.5302, 0.2908,  
0.3239

34.7081, 0.2125,  
0.2849

57.2790, 0.3059,  
0.3275

■ 61.4136, 0.3213,  
0.3308

■ 65.9478, 0.3368,  
0.3337

■ 70.8947, 0.3521,  
0.3364

■ 72.5200, 0.3526,  
0.3391

# Harmonies

## Analogous

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



42.0802, 0.2596, 0.3468



42.0802, 0.2394, 0.3067



42.0802, 0.2374, 0.2767

# Triad

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



42.0802, 0.2394, 0.3067



42.0802, 0.3274, 0.2819



42.0802, 0.3724, 0.3983

# Complementary

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



42.0802, 0.2394, 0.3067



23.8525, 0.4608, 0.3483

# 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.



42.0802, 0.3936, 0.3751



42.0802, 0.2394, 0.3067



42.0802, 0.3672, 0.3096

# Square

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



42.0802, 0.2394, 0.3067



42.0802, 0.2859, 0.2650



42.0802, 0.3920, 0.3428



42.0802, 0.3357, 0.4031



# Rectangle

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



42.0802, 0.2394, 0.3067



42.0802, 0.2464, 0.2654



42.0802, 0.3920, 0.3428



42.0802, 0.3816, 0.3922

# Sweetspot

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



42.0818, 0.2394, 0.3067



89.5645, 0.2882, 0.3232



45.5787, 0.2969, 0.4803



18.9091, 0.2851, 0.3224



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

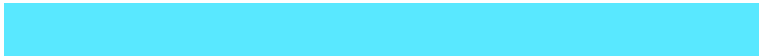


# Same Dimension

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



42.0818, 0.2394, 0.3067



67.2819, 0.2291, 0.3013



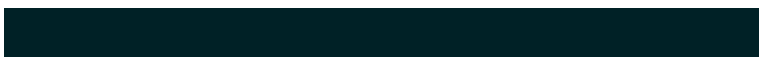
23.1377, 0.2213, 0.2190



12.4557, 0.2983, 0.3258



22.4271, 0.2127, 0.2856



1.2309, 0.2152, 0.2949



# Inverse Universe

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



23.8030, 0.3359, 0.2152



34.2941, 0.3420, 0.1973



39.0598, 0.4174, 0.4163



11.3764, 0.3158, 0.3092



10.0670, 0.3583, 0.1748

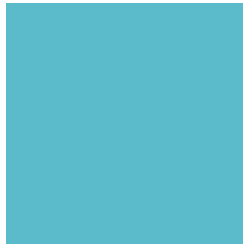


0.5268, 0.3500, 0.1702



# Previews

## White Background



This preview shows how the Yxy color 42.0802, 0.2394, 0.3067 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

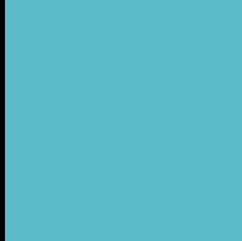
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.0802, 0.2394, 0.3067 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 42.0802, 0.2394, 0.3067**

## **Background**



This preview shows how black text looks on a background with the Yxy color 42.0802, 0.2394, 0.3067.



This preview shows how white text looks on a background with the Yxy color 42.0802, 0.2394, 0.3067.

# 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

42.0802, 0.2394, 0.3067

### Protanopia

41.4776, 0.2949, 0.3009

### Deuteranopia

41.7164, 0.2867, 0.2810



## Tritanopia

42.0802, 0.2394, 0.3067

# Trichromacy



**Original Color**

42.0802, 0.2394, 0.3067

**Protanomaly**

41.1806, 0.2704, 0.3022

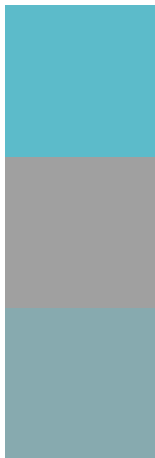
**Deuteranomaly**

41.3877, 0.2657, 0.2891

**Tritanomaly**

42.0802, 0.2394, 0.3067

# Monochromacy



**Original Color**

42.0802, 0.2394, 0.3067

**Achromatopsia**

35.1533, 0.3127, 0.3290

**Achromatomaly**

36.9955, 0.2789, 0.3214

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.0802, 0.2394, 0.3067 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(92, 187, 202)` looks like.

```
.text, #text, p{  
    color:rgb(92, 187, 202)  
}
```

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(92, 187, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 187, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 42.0802, 0.2394, 0.3067 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(92, 187, 202) }
```

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

```
.border{ border-color:rgb(92, 187, 202) }
```

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

Here you see how a box with a 4 pixel rgb(92, 187, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 187, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 187, 202);  
box-shadow:4px 4px 4px 4px rgb(92, 187,  
202) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.0802, 0.2394, 0.3067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 187, 202) }
```

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

```
.background{ background-color: rgb(92, 187,  
202) }
```

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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