

Converting Colors

$Yxy(39.7830, 0.2371, 0.3076)$

Have a look what the booklet for
Yxy(39.7830, 0.2371, 0.3076)
contains.

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Color

Yxy(39.7830, 0.2371, 0.3076)

Conversions

Conversions Part 1

Format	Color
Hex	54B7C5
RGB	84, 183, 197
RGB Percent	33%, 72%, 77%
CMY	0.6707, 0.2823, 0.2274
CMYK	0.57, 0.07, 0.00, 0.23
HSL	187°, 49%, 55%
HSV	187°, 57%, 77%
XYZ	30.6650, 39.7830, 58.8856
YIQ	154.9950, -63.4980, -16.6340

Conversions

Conversions Part 2

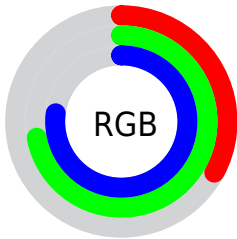
Format	Color
R_{YB}	84, 137, 197
Decimal	5552069
CIE _{Lab}	69.31, -24.81, -15.85
CIE _{LCh}	69, 29.439, 212.581
Yxy	39.7830, 0.2371, 0.3076
Android (android.graphics.Color)	4283742149 (0xFF54B7C5)
YUV	154.9950, 20.7085, -62.2626
Hunter-Lab	63.0738, -23.5966, -11.2014

Details

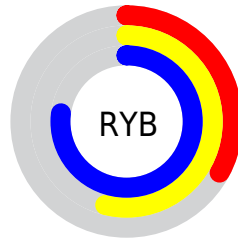
The Yxy color **39.7830, 0.2371, 0.3076** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **21.2377, 0.4738, 0.3471**, and the grayscale version is **32.7007, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.7284, 0.2505, 0.3116**, and **17.9484, 0.2169, 0.3009** is the 20% darker color. If you saturate the color by 10%, you get **38.0027, 0.2286, 0.3033**, and if you desaturate by 10%, it is **41.8392, 0.2474, 0.3118**.

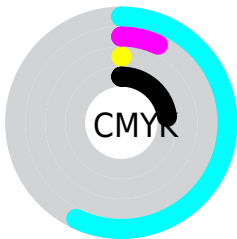
Distribution



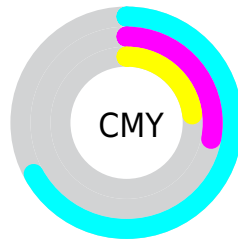
- Red (33%)
- Green (72%)
- Blue (77%)



- Red (33%)
- Yellow (54%)
- Blue (77%)



- Cyan (57%)
- Magenta (7%)
- Yellow (0%)
- Black (23%)





- Cyan (67%)
- Magenta (28%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.7830, 0.2371, 0.3076 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 39.7830, 0.2371, 0.3076 by changing the saturation by 10% instead.

 39.7830, 0.2371,
0.3076


 39.7830, 0.2371,
0.3076


345.2081, 0.2748,
0.3196

 27.3694, 0.2278,
0.3042


 74.8330, 0.2507,
0.3122

 17.8508, 0.2160,
0.2997


 98.2381, 0.2559,
0.3139

 10.8430, 0.2004,
0.2932


 126.0759, 0.2602,
0.3153

 5.9613, 0.1793,
0.2835

 158.7307, 0.2640,
0.3164

 2.8216, 0.1491,
0.2676

196.5869, 0.2672,
0.3174

 1.0393, 0.0875,
0.2428

240.0290, 0.2701,

 0.0000, 0.0000,

0.3182

0.0000

289.4412, 0.2726,
0.3189

■ 39.7830, 0.2371,
0.3076

■ 39.7830, 0.2371,
0.3076

■ 38.0027, 0.2286,
0.3033

■ 41.8392, 0.2474,
0.3118

■ 36.4718, 0.2220,
0.2990

■ 44.1865, 0.2592,
0.3159

■ 35.1659, 0.2173,
0.2946

■ 46.8441, 0.2723,
0.3197

■ 34.0486, 0.2144,
0.2904

■ 49.8281, 0.2865,
0.3234

■ 33.7701, 0.2137,
0.2893

■ 53.1536, 0.3014,
0.3267

■ 56.8348, 0.3168,
0.3298

■ 60.8848, 0.3323,
0.3325

■ 65.3162, 0.3477,
0.3350

■ 68.9330, 0.3579,
0.3373

Harmonies

Analogous

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



39.7830, 0.2589, 0.3498



39.7830, 0.2371, 0.3076



39.7830, 0.2341, 0.2757

Triad

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



39.7830, 0.2371, 0.3076



39.7830, 0.3256, 0.2788



39.7830, 0.3764, 0.4003

Complementary

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



39.7830, 0.2371, 0.3076



21.2377, 0.4738, 0.3471

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.



39.7830, 0.3976, 0.3752



39.7830, 0.2371, 0.3076



39.7830, 0.3676, 0.3070

Square

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



39.7830, 0.2371, 0.3076



39.7830, 0.2827, 0.2620



39.7830, 0.3946, 0.3414



39.7830, 0.3387, 0.4068

Rectangle

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



39.7830, 0.2371, 0.3076



39.7830, 0.2427, 0.2635



39.7830, 0.3946, 0.3414



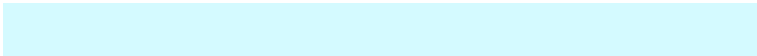
39.7830, 0.3858, 0.3936

Sweetspot

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



39.7845, 0.2371, 0.3076



89.3087, 0.2867, 0.3234



42.6819, 0.2974, 0.4923



18.8716, 0.2837, 0.3227



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.



39.7845, 0.2371, 0.3076



67.2859, 0.2267, 0.3021



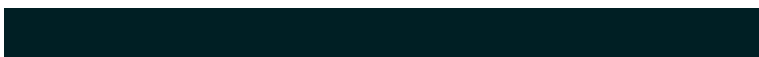
21.1698, 0.2173, 0.2153



11.8348, 0.2984, 0.3261



22.2954, 0.2138, 0.2898



1.1202, 0.2163, 0.2987

Inverse Universe

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



21.6250, 0.3356, 0.2089



32.7549, 0.3417, 0.1904



35.5126, 0.4252, 0.4179



10.7931, 0.3156, 0.3090



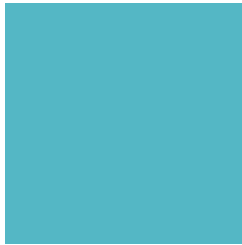
9.7907, 0.3545, 0.1726



0.4701, 0.3465, 0.1683

Previews

White Background



This preview shows how the Yxy color 39.7830, 0.2371, 0.3076 looks on a white background.

Color Contrast Check

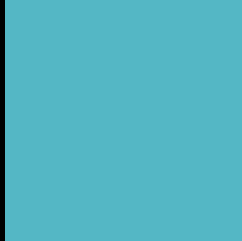
Large Text (above 18pt) WCAG AA × Fail

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 39.7830, 0.2371, 0.3076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

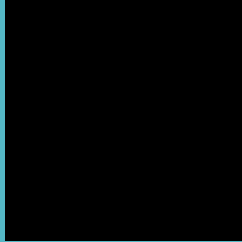
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.7830, 0.2371, 0.3076

Background



This preview shows how black text looks on a background with the Yxy color 39.7830, 0.2371, 0.3076.



This preview shows how white text looks on a background with the Yxy color 39.7830, 0.2371, 0.3076.

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

39.7830, 0.2371, 0.3076

Protanopia

39.3323, 0.2953, 0.3016

Deuteranopia

39.0928, 0.2860, 0.2797



Tritanopia

39.8290, 0.2366, 0.3061

Trichromacy



Original Color

39.7830, 0.2371, 0.3076

Protanomaly

38.8830, 0.2688, 0.3029

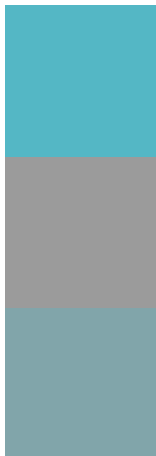
Deuteranomaly

38.6143, 0.2632, 0.2878

Tritanomaly

39.8290, 0.2366, 0.3061

Monochromacy



Original Color

39.7830, 0.2371, 0.3076

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.4797, 0.2772, 0.3212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7830, 0.2371, 0.3076 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(84, 183, 197)` looks like.

```
.text, #text, p{  
    color:rgb(84, 183, 197)  
}
```

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(84, 183, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 183, 197) }
```

Border

The CSS property to change the border of an element to Yxy 39.7830, 0.2371, 0.3076 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(84, 183, 197) }
```

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

```
.border{ border-color:rgb(84, 183, 197) }
```

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

Here you see how a box with a 4 pixel rgb(84, 183, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 183, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 183, 197);  
box-shadow:4px 4px 4px 4px rgb(84, 183,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7830, 0.2371, 0.3076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 183, 197) }
```

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

```
.background{ background-color: rgb(84, 183,  
197) }
```

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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