

Converting Colors

$Y_{xy}(40.0336, 0.2445, 0.3117)$

Have a look what the booklet for
Yxy(40.0336, 0.2445, 0.3117)
contains.

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Color

Yxy(39.8377, 0.2441, 0.3107)

Conversions

Conversions Part 1

Format	Color
Hex	60B6C2
RGB	96, 182, 194
RGB Percent	38%, 71%, 76%
CMY	0.6231, 0.2863, 0.2392
CMYK	0.50, 0.06, 0.00, 0.24
HSL	187°, 45%, 57%
HSV	187°, 50%, 76%
XYZ	31.2983, 39.8377, 57.0832
YIQ	157.6540, -55.1080, -14.5000

Conversions

Conversions Part 2

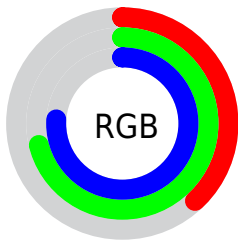
Format	Color
RYB	96, 142, 194
Decimal	6338242
CIELab	69.35, -22.63, -14.11
CIELCh	69, 26.666, 211.936
Yxy	39.8377, 0.2441, 0.3107
Android (android.graphics.Color)	4284528322 (0xFF60B6C2)
YUV	157.6540, 17.9186, -54.0706
Hunter-Lab	63.1171, -21.9410, -9.4400

Details

The Yxy color **39.8377, 0.2441, 0.3107** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.0697, 0.4453, 0.3454**, and the grayscale version is **33.9757, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.8235, 0.2567, 0.3151**, and **17.9173, 0.2251, 0.3052** is the 20% darker color. If you saturate the color by 10%, you get **37.9448, 0.2344, 0.3065**, and if you desaturate by 10%, it is **42.0100, 0.2555, 0.3148**.

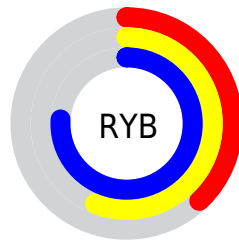
Distribution



Red (38%)

Green (71%)

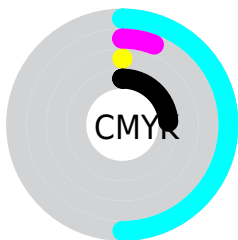
Blue (76%)



Red (38%)

Yellow (56%)

Blue (76%)

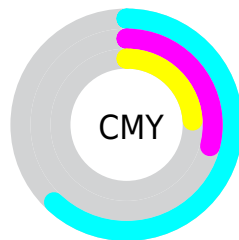


Cyan (50%)

Magenta (6%)

Yellow (0%)

Black (24%)



Cyan (62%)

Magenta (29%)

Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.8377, 0.2441, 0.3107 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 39.8377, 0.2441, 0.3107 by changing the saturation by 10% instead.


 39.8377, 0.2441,
0.3107


 39.8377, 0.2441,
0.3107


345.4390, 0.2784,
0.3209


 27.4120, 0.2356,
0.3078


 74.9163, 0.2566,
0.3147

 17.8829, 0.2247,
0.3039


 98.3380, 0.2612,
0.3161

 10.8660, 0.2103,
0.2984


 126.1939, 0.2652,
0.3172

 5.9768, 0.1906,
0.2900

 158.8683, 0.2686,
0.3182

 2.8310, 0.1621,
0.2762

196.7456, 0.2716,
0.3190

 1.0441, 0.1051,
0.2543

240.2102, 0.2741,

 0.0000, 0.0000,

0.3198

0.0000

289.6466, 0.2764,
0.3204

■ 39.8377, 0.2441,
0.3107

■ 39.8377, 0.2441,
0.3107

■ 37.9448, 0.2344,
0.3065

■ 42.0100, 0.2555,
0.3148

■ 36.3072, 0.2265,
0.3022

■ 44.4747, 0.2682,
0.3187

■ 34.9041, 0.2205,
0.2979

■ 47.2493, 0.2821,
0.3223

■ 33.7093, 0.2164,
0.2937

■ 50.3486, 0.2968,
0.3257

■ 32.7152, 0.2138,
0.2896

■ 53.7864, 0.3120,
0.3289

■ 57.5759, 0.3275,
0.3317

■ 61.7291, 0.3429,
0.3342

■ 66.2579, 0.3582,
0.3365

■ 68.0695, 0.3606,
0.3389

Harmonies

Analogous

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



39.8377, 0.2645, 0.3487



39.8377, 0.2441, 0.3107



39.8377, 0.2409, 0.2812

Triad

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



39.8377, 0.2441, 0.3107



39.8377, 0.3237, 0.2828



39.8377, 0.3712, 0.3935

Complementary

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



39.8377, 0.2441, 0.3107



23.0697, 0.4453, 0.3454

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.



39.8377, 0.3898, 0.3708



39.8377, 0.2441, 0.3107



39.8377, 0.3617, 0.3085

Square

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



39.8377, 0.2441, 0.3107



39.8377, 0.2848, 0.2676



39.8377, 0.3865, 0.3399



39.8377, 0.3374, 0.3992

Rectangle

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



39.8377, 0.2441, 0.3107



39.8377, 0.2486, 0.2697



39.8377, 0.3865, 0.3399



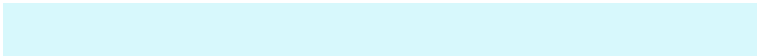
39.8377, 0.3795, 0.3874

Sweetspot

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



39.8392, 0.2441, 0.3107



88.4529, 0.2897, 0.3241



42.1529, 0.2987, 0.4697



19.1083, 0.2865, 0.3234



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.



39.8392, 0.2441, 0.3107



68.2640, 0.2331, 0.3059



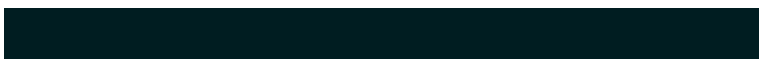
23.3384, 0.2288, 0.2317



11.2105, 0.2984, 0.3261



21.5884, 0.2140, 0.2902



0.9933, 0.2166, 0.2996

Inverse Universe

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



23.2332, 0.3322, 0.2212



35.5146, 0.3376, 0.2015



36.2556, 0.4093, 0.4084



10.2255, 0.3156, 0.3090



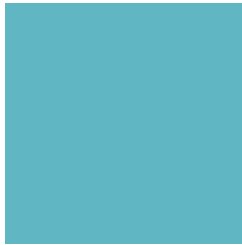
9.4616, 0.3541, 0.1725



0.4149, 0.3457, 0.1678

Previews

White Background



This preview shows how the Yxy color 39.8377, 0.2441, 0.3107 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 39.8377, 0.2441, 0.3107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

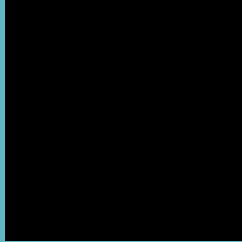
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.8377, 0.2441, 0.3107

Background



This preview shows how black text looks on a background with the Yxy color 39.8377, 0.2441, 0.3107.



This preview shows how white text looks on a background with the Yxy color 39.8377, 0.2441, 0.3107.

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

39.8377, 0.2441, 0.3107

Protanopia

39.3557, 0.2978, 0.3043

Deuteranopia

39.2861, 0.2908, 0.2838



Tritanopia

39.9828, 0.2435, 0.3078

Trichromacy



Original Color

39.8377, 0.2441, 0.3107

Protanomaly

38.7986, 0.2745, 0.3059

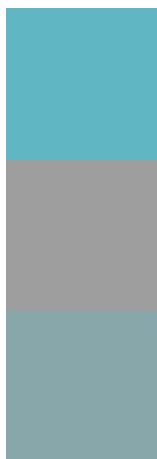
Deuteranomaly

39.0863, 0.2703, 0.2924

Tritanomaly

39.9374, 0.2440, 0.3093

Monochromacy



Original Color

39.8377, 0.2441, 0.3107

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.7286, 0.2816, 0.3228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8377, 0.2441, 0.3107 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, 182, 194)` looks like.

```
.text, #text, p{  
    color:rgb(96, 182, 194)  
}
```

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, 182, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 182, 194) }
```

Border

The CSS property to change the border of an element to Yxy 39.8377, 0.2441, 0.3107 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, 182, 194) }
```

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

```
.border{ border-color:rgb(96, 182, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 182, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 182, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 182, 194);  
box-shadow:4px 4px 4px 4px rgb(96, 182,  
194) }
```


Background

The CSS property to change the background color of an element to `Yxy 39.8377, 0.2441, 0.3107` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 182, 194) }
```

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

```
.background{ background-color: rgb(96, 182,  
194) }
```

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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