

Converting Colors

$Yxy(39.0232, 0.2353, 0.3182)$

Have a look what the booklet for
Yxy(39.0232, 0.2353, 0.3182)
contains.

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Color

Yxy(38.9243, 0.2354, 0.3179)

Conversions

Conversions Part 1

Format	Color
Hex	47B7BE
RGB	71, 183, 190
RGB Percent	28%, 72%, 75%
CMY	0.7216, 0.2823, 0.2550
CMYK	0.63, 0.04, 0.00, 0.25
HSL	184°, 48%, 51%
HSV	184°, 63%, 75%
XYZ	28.8228, 38.9243, 54.6948
YIQ	150.3100, -68.9990, -21.5670

Conversions

Conversions Part 2

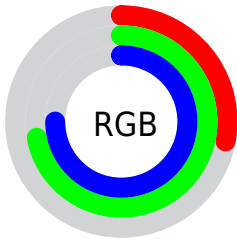
Format	Color
RYB	71, 129, 190
Decimal	4700094
CIELab	68.70, -29.15, -12.96
CIElCh	69, 31.901, 203.966
Yxy	38.9243, 0.2354, 0.3179
Android (android.graphics.Color)	4282890174 (0xFF47B7BE)
YUV	150.3100, 19.5672, -69.5549
Hunter-Lab	62.3893, -26.7173, -8.3052

Details

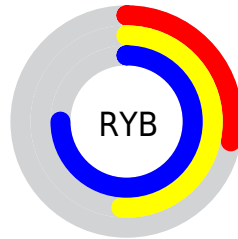
The Yxy color **38.9243, 0.2354, 0.3179** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **16.8407, 0.5036, 0.3381**, and the grayscale version is **30.5733, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.2924, 0.2494, 0.3206**, and **17.7714, 0.2204, 0.3134** is the 20% darker color. If you saturate the color by 10%, you get **37.8593, 0.2288, 0.3159**, and if you desaturate by 10%, it is **40.2203, 0.2439, 0.3199**.

Distribution



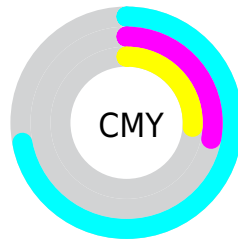
- Red (28%)
- Green (72%)
- Blue (75%)



- Red (28%)
- Yellow (51%)
- Blue (75%)



- Cyan (63%)
- Magenta (4%)
- Yellow (0%)
- Black (25%)




- Cyan (72%)
- Magenta (28%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.9243, 0.2354, 0.3179 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 38.9243, 0.2354, 0.3179 by changing the saturation by 10% instead.

 38.9243, 0.2354,
0.3179

 38.9243, 0.2354,
0.3179


341.5685, 0.2741,
0.3247


 26.7008, 0.2258,
0.3158


 73.5227, 0.2495,
0.3207

 17.3487, 0.2135,
0.3128


 96.6664, 0.2547,
0.3216


 10.4834, 0.1973,
0.3085


 124.2189, 0.2592,
0.3224

 5.7206, 0.1752,
0.3015

 156.5647, 0.2631,
0.3230

 2.6760, 0.1435,
0.2893

 194.0882, 0.2664,
0.3235

 0.9650, 0.0581,
0.2757

237.1737, 0.2693,

 0.0000, 0.0000,

0.3240

0.0000

286.2057, 0.2719,
0.3244

■ 38.9243, 0.2354,
0.3179

■ 38.9243, 0.2354,
0.3179

■ 37.8593, 0.2288,
0.3159

■ 40.2203, 0.2439,
0.3199

■ 36.9992, 0.2240,
0.3140

■ 41.7619, 0.2542,
0.3218

■ 36.3194, 0.2210,
0.3120

■ 43.5675, 0.2661,
0.3237

■ 35.8971, 0.2196,
0.3106

■ 45.6525, 0.2793,
0.3254

■ 48.0312, 0.2936,
0.3271

■ 50.7168, 0.3087,
0.3286

■ 53.7217, 0.3242,
0.3300

■ 57.0578, 0.3399,
0.3313

■ 60.7361, 0.3556,
0.3324

Harmonies

Analogous

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



38.9243, 0.2642, 0.3651



38.9243, 0.2354, 0.3179



38.9243, 0.2263, 0.2789

Triad

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



38.9243, 0.2354, 0.3179



38.9243, 0.3126, 0.2680



38.9243, 0.3909, 0.4001

Complementary

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



38.9243, 0.2354, 0.3179



16.8407, 0.5036, 0.3381

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.



38.9243, 0.4073, 0.3687



38.9243, 0.2354, 0.3179



38.9243, 0.3604, 0.2953

Square

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



38.9243, 0.2354, 0.3179



38.9243, 0.2682, 0.2541



38.9243, 0.3962, 0.3310



38.9243, 0.3537, 0.4148

Rectangle

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



38.9243, 0.2354, 0.3179



38.9243, 0.2317, 0.2623



38.9243, 0.3962, 0.3310



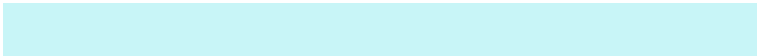
38.9243, 0.3991, 0.3909

Sweetspot

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



38.9258, 0.2354, 0.3179



84.1268, 0.2840, 0.3260



38.6904, 0.3006, 0.5205



18.2099, 0.2799, 0.3255



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



38.9258, 0.2354, 0.3179



68.0271, 0.2268, 0.3152



19.6041, 0.2124, 0.2172



10.7112, 0.2985, 0.3276



23.9168, 0.2197, 0.3109



0.9662, 0.2210, 0.3155

Inverse Universe

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



18.8676, 0.3280, 0.1932



29.3499, 0.3313, 0.1755



29.1283, 0.4443, 0.4144



9.6864, 0.3146, 0.3077



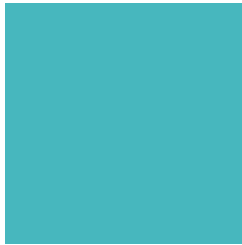
9.4441, 0.3360, 0.1624



0.3729, 0.3320, 0.1603

Previews

White Background



This preview shows how the Yxy color 38.9243, 0.2354, 0.3179 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 38.9243, 0.2354, 0.3179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

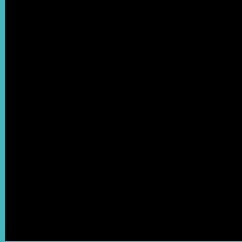
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

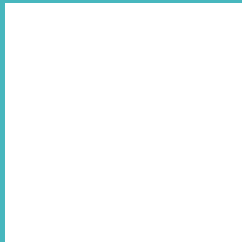
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.9243, 0.2354, 0.3179

Background



This preview shows how black text looks on a background with the Yxy color 38.9243, 0.2354, 0.3179.

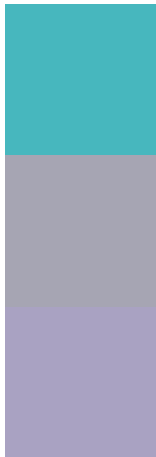


This preview shows how white text looks on a background with the Yxy color 38.9243, 0.2354, 0.3179.

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

38.9243, 0.2354, 0.3179

Protanopia

38.2719, 0.3018, 0.3095

Deuteranopia

38.1707, 0.2922, 0.2858



Tritanopia

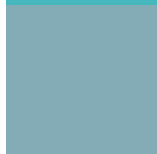
38.9430, 0.2327, 0.3058

Trichromacy



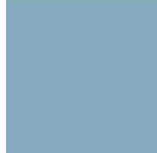
Original Color

38.9243, 0.2354, 0.3179



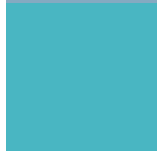
Protanomaly

37.7492, 0.2704, 0.3126



Deuteranomaly

37.5863, 0.2647, 0.2955



Tritanomaly

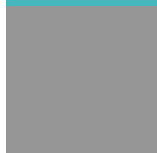
38.7674, 0.2338, 0.3102

Monochromacy



Original Color

38.9243, 0.2354, 0.3179



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

32.6222, 0.2742, 0.3241

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9243, 0.2354, 0.3179 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(71, 183, 190)` looks like.

```
.text, #text, p{  
    color:rgb(71, 183, 190)  
}
```

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(71, 183, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 183, 190) }
```

Border

The CSS property to change the border of an element to Yxy 38.9243, 0.2354, 0.3179 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(71, 183, 190) }
```

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

```
.border{ border-color:rgb(71, 183, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 183, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 183, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 183, 190);  
box-shadow:4px 4px 4px 4px rgb(71, 183,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9243, 0.2354, 0.3179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 183, 190) }
```

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

```
.background{ background-color: rgb(71, 183,  
190) }
```

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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