

Converting Colors

$Yxy(38.3369, 0.2440, 0.3172)$

Have a look what the booklet for
Yxy(38.3369, 0.2440, 0.3172)
contains.

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Color

Yxy(38.4040, 0.2443, 0.3180)

Conversions

Conversions Part 1

Format	Color
Hex	5AB4BB
RGB	90, 180, 187
RGB Percent	35%, 71%, 73%
CMY	0.6472, 0.2941, 0.2667
CMYK	0.52, 0.04, 0.00, 0.27
HSL	184°, 42%, 54%
HSV	184°, 52%, 73%
XYZ	29.5035, 38.4040, 52.8598
YIQ	153.8880, -55.8870, -16.9030

Conversions

Conversions Part 2

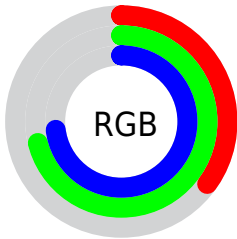
Format	Color
RYB	90, 137, 187
Decimal	5944507
CIELab	68.32, -24.89, -11.81
CIElCh	68, 27.554, 205.387
Yxy	38.4040, 0.2443, 0.3180
Android (android.graphics.Color)	4284134587 (0xFF5AB4BB)
YUV	153.8880, 16.3242, -56.0298
Hunter-Lab	61.9710, -23.4680, -7.1934

Details

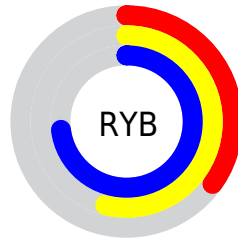
The Yxy color **38.4040, 0.2443, 0.3180** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **19.8397, 0.4545, 0.3389**, and the grayscale version is **32.2062, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6650, 0.2568, 0.3206**, and **17.0821, 0.2246, 0.3132** is the 20% darker color. If you saturate the color by 10%, you get **37.0431, 0.2355, 0.3156**, and if you desaturate by 10%, it is **40.0089, 0.2549, 0.3204**.

Distribution



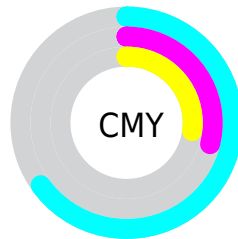
- Red (35%)
- Green (71%)
- Blue (73%)



- Red (35%)
- Yellow (54%)
- Blue (73%)



- Cyan (52%)
- Magenta (4%)
- Yellow (0%)
- Black (27%)





- Cyan (65%)
- Magenta (29%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4040, 0.2443, 0.3180 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 38.4040, 0.2443, 0.3180 by changing the saturation by 10% instead.


 38.4040, 0.2443,
0.3180


 38.4040, 0.2443,
0.3180


339.3499, 0.2788,
0.3245


 26.2964, 0.2357,
0.3160


 72.7269, 0.2569,
0.3206


 17.0455, 0.2245,
0.3133


 95.7111, 0.2616,
0.3215

 10.2669, 0.2098,
0.3093


 123.0895, 0.2656,
0.3223

 5.5763, 0.1894,
0.3029

 155.2466, 0.2690,
0.3229

 2.5892, 0.1596,
0.2918

192.5668, 0.2719,
0.3234

 0.9212, 0.0810,
0.2791

235.4345, 0.2745,

 0.0000, 0.0000,

0.3238

0.0000

284.2340, 0.2768,
0.3242

■ 38.4040, 0.2443,
0.3180

■ 38.4040, 0.2443,
0.3180

■ 37.0431, 0.2355,
0.3156

■ 40.0089, 0.2549,
0.3204

■ 35.9038, 0.2285,
0.3131

■ 41.8695, 0.2670,
0.3226

■ 34.9668, 0.2234,
0.3107

■ 44.0021, 0.2804,
0.3248

■ 34.2075, 0.2202,
0.3083

■ 46.4203, 0.2947,
0.3268

■ 33.6825, 0.2184,
0.3064

■ 49.1368, 0.3098,
0.3287

■ 52.1635, 0.3253,
0.3304

■ 55.5117, 0.3410,
0.3319

■ 59.1921, 0.3566,
0.3333

■ 62.5917, 0.3692,
0.3345

Harmonies

Analogous

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



38.4040, 0.2691, 0.3583



38.4040, 0.2443, 0.3180



38.4040, 0.2370, 0.2845

Triad

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



38.4040, 0.2443, 0.3180



38.4040, 0.3149, 0.2763



38.4040, 0.3798, 0.3923

Complementary

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



38.4040, 0.2443, 0.3180



19.8397, 0.4545, 0.3389

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.



38.4040, 0.3946, 0.3659



38.4040, 0.2443, 0.3180



38.4040, 0.3560, 0.3010

Square

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



38.4040, 0.2443, 0.3180



38.4040, 0.2756, 0.2635



38.4040, 0.3860, 0.3329



38.4040, 0.3470, 0.4031

Rectangle

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



38.4040, 0.2443, 0.3180



38.4040, 0.2423, 0.2702



38.4040, 0.3860, 0.3329



38.4040, 0.3871, 0.3848

Sweetspot

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



38.4055, 0.2443, 0.3180



81.1965, 0.2883, 0.3259



38.5575, 0.3013, 0.4819



17.6847, 0.2854, 0.3255



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



38.4055, 0.2443, 0.3180



66.1110, 0.2346, 0.3153



22.2649, 0.2283, 0.2372



10.6889, 0.2985, 0.3273



23.2579, 0.2185, 0.3067



0.9465, 0.2201, 0.3124

Inverse Universe

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



21.1661, 0.3267, 0.2136



32.3806, 0.3301, 0.1943



31.5341, 0.4159, 0.4041



9.6841, 0.3148, 0.3080



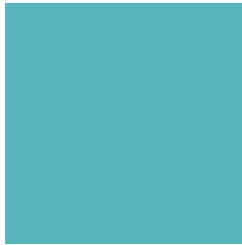
9.3776, 0.3396, 0.1644



0.3709, 0.3347, 0.1617

Previews

White Background



This preview shows how the Yxy color 38.4040, 0.2443, 0.3180 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 38.4040, 0.2443, 0.3180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

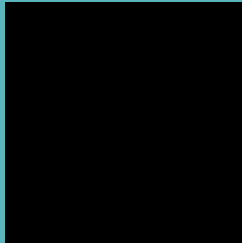
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

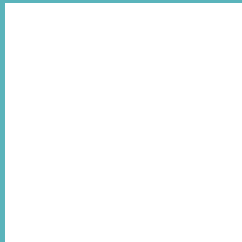
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.4040, 0.2443, 0.3180

Background



This preview shows how black text looks on a background with the Yxy color 38.4040, 0.2443, 0.3180.

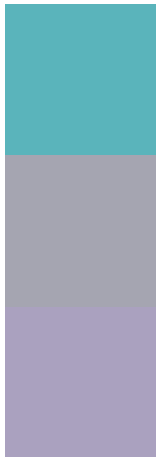


This preview shows how white text looks on a background with the Yxy color 38.4040, 0.2443, 0.3180.

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

38.4040, 0.2443, 0.3180

Protanopia

38.0839, 0.3025, 0.3122

Deuteranopia

37.7974, 0.2955, 0.2884



Tritanopia

38.3658, 0.2417, 0.3074

Trichromacy



Original Color

38.4040, 0.2443, 0.3180

Protanomaly

37.4889, 0.2769, 0.3127

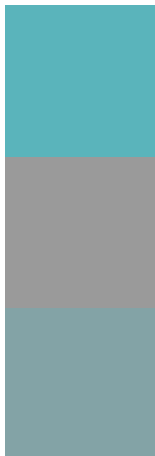
Deuteranomaly

37.3857, 0.2725, 0.2972

Tritanomaly

38.2259, 0.2423, 0.3104

Monochromacy



Original Color

38.4040, 0.2443, 0.3180

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.7729, 0.2817, 0.3242

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4040, 0.2443, 0.3180 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(90, 180, 187)` looks like.

```
.text, #text, p{  
    color:rgb(90, 180, 187)  
}
```

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(90, 180, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 180, 187) }
```

Border

The CSS property to change the border of an element to Yxy 38.4040, 0.2443, 0.3180 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(90, 180, 187) }
```

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

```
.border{ border-color:rgb(90, 180, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 180, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 180, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 180, 187);  
box-shadow:4px 4px 4px 4px rgb(90, 180,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4040, 0.2443, 0.3180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 180, 187) }
```

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

```
.background{ background-color: rgb(90, 180,  
187) }
```

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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