

Converting Colors

$Yxy(38.3043, 0.2588, 0.3385)$

Have a look what the booklet for
Yxy(38.3043, 0.2588, 0.3385)
contains.

Yxy(38.4844, 0.2591, 0.3398)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(38.4844, 0.2591, 0.3398)

Conversions

Conversions Part 1

Format	Color
Hex	66B4AD
RGB	102, 180, 173
RGB Percent	40%, 71%, 68%
CMY	0.6000, 0.2941, 0.3215
CMYK	0.43, 0.00, 0.04, 0.29
HSL	175°, 34%, 55%
HSV	175°, 43%, 71%
XYZ	29.3446, 38.4844, 45.4270
YIQ	155.8800, -44.2410, -18.7130

Conversions

Conversions Part 2

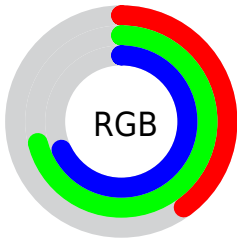
Format	Color
RYB	102, 143, 180
Decimal	6730925
CIELab	68.38, -25.75, -3.97
CIELCh	68, 26.059, 188.760
Yxy	38.4844, 0.2591, 0.3398
Android (android.graphics.Color)	4284921005 (0xFF66B4AD)
YUV	155.8800, 8.4402, -47.2528
Hunter-Lab	62.0358, -24.1272, 0.0087

Details

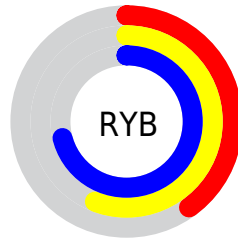
The Yxy color **38.4844, 0.2591, 0.3398** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **20.3094, 0.4138, 0.3191**, and the grayscale version is **33.1667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.7604, 0.2693, 0.3383**, and **17.1401, 0.2430, 0.3424** is the 20% darker color. If you saturate the color by 10%, you get **37.4840, 0.2502, 0.3427**, and if you desaturate by 10%, it is **39.7169, 0.2696, 0.3370**.

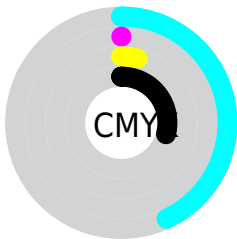
Distribution



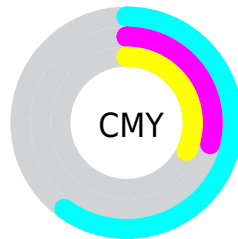
- Red (40%)
- Green (71%)
- Blue (68%)



- Red (40%)
- Yellow (56%)
- Blue (71%)



- Cyan (43%)
- Magenta (0%)
- Yellow (4%)
- Black (29%)



- Cyan (60%)
- Magenta (29%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4844, 0.2591, 0.3398 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 38.4844, 0.2591, 0.3398 by changing the saturation by 10% instead.


 38.4844, 0.2591,
0.3398


 38.4844, 0.2591,
0.3398


339.6934, 0.2864,
0.3346


 26.3589, 0.2521,
0.3410


 72.8500, 0.2692,
0.3380

 17.0923, 0.2431,
0.3425


 95.8588, 0.2729,
0.3373

 10.3003, 0.2309,
0.3444


 123.2642, 0.2760,
0.3367

 5.5985, 0.2136,
0.3468

 155.4506, 0.2787,
0.3361

 2.6025, 0.1875,
0.3498

192.8023, 0.2811,
0.3357

 0.9279, 0.1009,
0.3704

235.7037, 0.2831,

 0.0000, 0.0000,

0.3353

0.0000

284.5393, 0.2849,
0.3349

■ 38.4844, 0.2591,
0.3398

■ 38.4844, 0.2591,
0.3398

■ 37.4840, 0.2502,
0.3427

■ 39.7169, 0.2696,
0.3370

■ 36.6962, 0.2431,
0.3457

■ 41.1906, 0.2814,
0.3344

■ 36.1058, 0.2378,
0.3487


■ 42.9195, 0.2943,
0.3320


■ 35.6937, 0.2345,
0.3517


■ 44.9153, 0.3080,
0.3297

■ 35.4369, 0.2329,
0.3547


■ 47.1889, 0.3222,
0.3277

 35.3198, 0.2324,
0.3567

 49.7506, 0.3367,
0.3258

 52.6103, 0.3513,
0.3242

 55.7772, 0.3656,
0.3228

 57.5134, 0.3720,
0.3213

Harmonies

Analogous

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



38.4844, 0.2901, 0.3755



38.4844, 0.2591, 0.3398



38.4844, 0.2426, 0.3032

Triad

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



38.4844, 0.2591, 0.3398



38.4844, 0.2933, 0.2706



38.4844, 0.3865, 0.3765

Complementary

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



38.4844, 0.2591, 0.3398



20.3094, 0.4138, 0.3191

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.



38.4844, 0.3884, 0.3471



38.4844, 0.2591, 0.3398



38.4844, 0.3327, 0.2883

Square

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



38.4844, 0.2591, 0.3398



38.4844, 0.2613, 0.2661



38.4844, 0.3682, 0.3155



38.4844, 0.3640, 0.3958

Rectangle

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



38.4844, 0.2591, 0.3398



38.4844, 0.2412, 0.2842



38.4844, 0.3682, 0.3155



38.4844, 0.3896, 0.3674

Sweetspot

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



38.4859, 0.2591, 0.3398



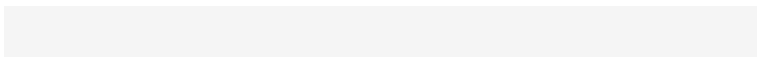
77.8585, 0.2945, 0.3319



36.9046, 0.3125, 0.4590



16.6711, 0.2916, 0.3324



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



38.4859, 0.2591, 0.3398



68.0373, 0.2506, 0.3426



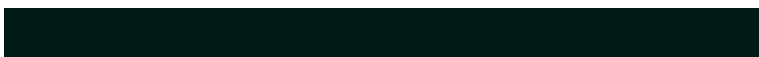
27.5517, 0.2463, 0.2777



9.6182, 0.2997, 0.3310



24.6556, 0.2323, 0.3564



0.7796, 0.2300, 0.3480

Inverse Universe

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



20.3094, 0.4138, 0.3191



30.7604, 0.4499, 0.3174



27.4925, 0.4035, 0.3743



8.5172, 0.3273, 0.3270



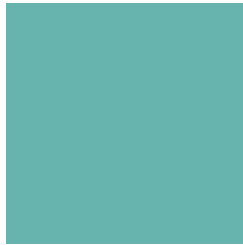
6.8032, 0.6281, 0.3234



0.2181, 0.5841, 0.2991

Previews

White Background



This preview shows how the Yxy color 38.4844, 0.2591, 0.3398 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 38.4844, 0.2591, 0.3398 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 38.4844, 0.2591, 0.3398

Background



This preview shows how black text looks on a background with the Yxy color 38.4844, 0.2591, 0.3398.

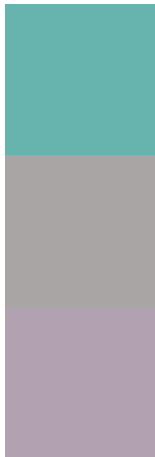


This preview shows how white text looks on a background with the Yxy color 38.4844, 0.2591, 0.3398.

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

38.4844, 0.2591, 0.3398

Protanopia

38.0256, 0.3173, 0.3304

Deuteranopia

38.0112, 0.3137, 0.3073



Tritanopia

38.3759, 0.2498, 0.3063

Trichromacy



Original Color

38.4844, 0.2591, 0.3398

Protanomaly

37.5592, 0.2932, 0.3334

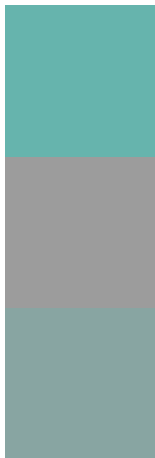
Deuteranomaly

37.6239, 0.2903, 0.3173

Tritanomaly

38.3468, 0.2530, 0.3181

Monochromacy



Original Color

38.4844, 0.2591, 0.3398

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.7531, 0.2892, 0.3336

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4844, 0.2591, 0.3398 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(102, 180, 173)` looks like.

```
.text, #text, p{  
    color:rgb(102, 180, 173)  
}
```

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(102, 180, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 180, 173) }
```

Border

The CSS property to change the border of an element to Yxy 38.4844, 0.2591, 0.3398 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(102, 180, 173) }
```

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

```
.border{ border-color:rgb(102, 180, 173) }
```

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

Here you see how a box with a 4 pixel rgb(102, 180, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 180, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 180, 173);  
box-shadow:4px 4px 4px 4px rgb(102, 180,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4844, 0.2591, 0.3398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 180, 173) }
```

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

```
.background{ background-color: rgb(102,  
180, 173) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor