

Converting Colors

$Yxy(38.1451, 0.2628, 0.3397)$

Have a look what the booklet for
Yxy(38.1451, 0.2628, 0.3397)
contains.

Yxy(38.3446, 0.2626, 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(38.3446, 0.2626, 0.3398)

Conversions

Conversions Part 1

Format	Color
Hex	6BB3AC
RGB	107, 179, 172
RGB Percent	42%, 70%, 67%
CMY	0.5802, 0.2980, 0.3255
CMYK	0.40, 0.00, 0.04, 0.30
HSL	174°, 32%, 56%
HSV	174°, 40%, 70%
XYZ	29.6330, 38.3446, 44.8670
YIQ	156.6740, -40.6650, -17.4410

Conversions

Conversions Part 2

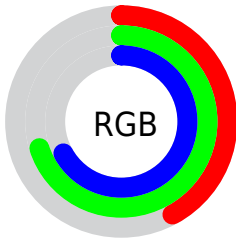
Format	Color
RYB	107, 145, 179
Decimal	7058348
CIELab	68.27, -24.21, -3.53
CIElCh	68, 24.467, 188.292
Yxy	38.3446, 0.2626, 0.3398
Android (android.graphics.Color)	4285248428 (0xFF6BB3AC)
YUV	156.6740, 7.5557, -43.5641
Hunter-Lab	61.9230, -22.9449, 0.3869

Details

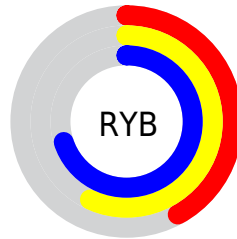
The Yxy color **38.3446, 0.2626, 0.3398** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **21.3232, 0.4023, 0.3190**, and the grayscale version is **33.5466, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6441, 0.2723, 0.3383**, and **17.0347, 0.2476, 0.3423** is the 20% darker color. If you saturate the color by 10%, you get **37.2821, 0.2533, 0.3429**, and if you desaturate by 10%, it is **39.6407, 0.2735, 0.3368**.

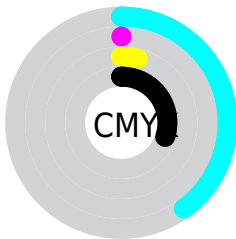
Distribution



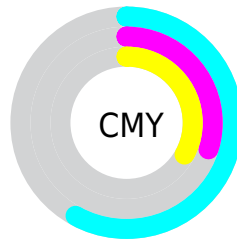
- Red (42%)
- Green (70%)
- Blue (67%)



- Red (42%)
- Yellow (57%)
- Blue (70%)



- Cyan (40%)
- Magenta (0%)
- Yellow (4%)
- Black (30%)





- Cyan (58%)
- Magenta (30%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3446, 0.2626, 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 38.3446, 0.2626, 0.3398 by changing the saturation by 10% instead.


 38.3446, 0.2626,
0.3398


 38.3446, 0.2626,
0.3398


339.0959, 0.2882,
0.3345


 26.2503, 0.2560,
0.3411


 72.6360, 0.2720,
0.3379


 17.0109, 0.2475,
0.3426


 95.6019, 0.2755,
0.3372

 10.2423, 0.2360,
0.3446


 122.9603, 0.2785,
0.3366

 5.5599, 0.2197,
0.3473

 155.0958, 0.2810,
0.3361

 2.5794, 0.1948,
0.3507

192.3928, 0.2832,
0.3356

 0.9163, 0.1133,
0.3713

235.2355, 0.2851,

 0.0000, 0.0000,

0.3352

0.0000

284.0084, 0.2867,
0.3349

■ 38.3446, 0.2626,
0.3398

■ 38.3446, 0.2626,
0.3398

■ 37.2821, 0.2533,
0.3429

■ 39.6407, 0.2735,
0.3368

■ 36.4344, 0.2456,
0.3462

■ 41.1788, 0.2856,
0.3340

■ 35.7871, 0.2398,
0.3495


■ 42.9726, 0.2987,
0.3314

■ 35.3222, 0.2359,
0.3528


■ 45.0334, 0.3124,
0.3290

■ 35.0183, 0.2338,
0.3561


■ 47.3717, 0.3266,
0.3269

 34.8332, 0.2331,
0.3593

 49.9976, 0.3410,
0.3250

 52.9206, 0.3554,
0.3233

 56.1497, 0.3696,
0.3218

 57.1160, 0.3721,
0.3201

Harmonies

Analogous

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



38.3446, 0.2921, 0.3730



38.3446, 0.2626, 0.3398



38.3446, 0.2467, 0.3054

Triad

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



38.3446, 0.2626, 0.3398



38.3446, 0.2940, 0.2736



38.3446, 0.3823, 0.3736

Complementary

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



38.3446, 0.2626, 0.3398



21.3232, 0.4023, 0.3190

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.



38.3446, 0.3836, 0.3458



38.3446, 0.2626, 0.3398



38.3446, 0.3310, 0.2902

Square

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



38.3446, 0.2626, 0.3398



38.3446, 0.2639, 0.2697



38.3446, 0.3645, 0.3160



38.3446, 0.3615, 0.3917

Rectangle

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



38.3446, 0.2626, 0.3398



38.3446, 0.2451, 0.2874



38.3446, 0.3645, 0.3160



38.3446, 0.3851, 0.3650

Sweetspot

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



38.3461, 0.2626, 0.3398



76.2838, 0.2960, 0.3319



36.8950, 0.3127, 0.4482



16.8063, 0.2943, 0.3323



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.



38.3461, 0.2626, 0.3398



67.0141, 0.2545, 0.3425



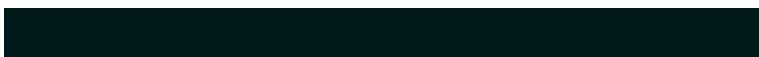
28.2643, 0.2510, 0.2821



9.6170, 0.2998, 0.3312



24.6208, 0.2330, 0.3589



0.7788, 0.2305, 0.3497

Inverse Universe

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



21.3232, 0.4023, 0.3190



32.4102, 0.4327, 0.3171



28.2046, 0.3950, 0.3711



8.5183, 0.3272, 0.3268



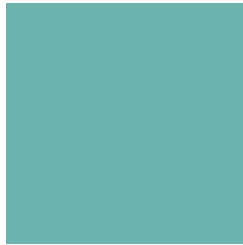
6.8065, 0.6268, 0.3227



0.2185, 0.5798, 0.2968

Previews

White Background



This preview shows how the Yxy color 38.3446, 0.2626, 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 38.3446, 0.2626, 0.3398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

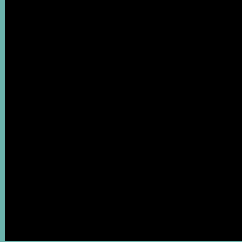
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

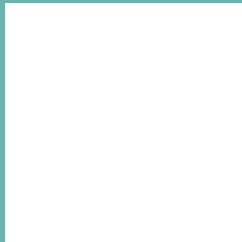
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.3446, 0.2626, 0.3398

Background



This preview shows how black text looks on a background with the Yxy color 38.3446, 0.2626, 0.3398.

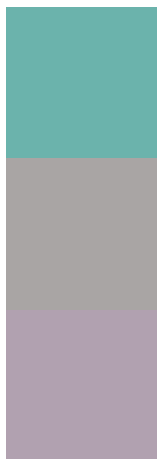


This preview shows how white text looks on a background with the Yxy color 38.3446, 0.2626, 0.3398.

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

38.3446, 0.2626, 0.3398

Protanopia

38.0256, 0.3173, 0.3304

Deuteranopia

37.9714, 0.3146, 0.3086



Tritanopia

38.2131, 0.2537, 0.3078

Trichromacy



Original Color

38.3446, 0.2626, 0.3398

Protanomaly

37.6505, 0.2940, 0.3334

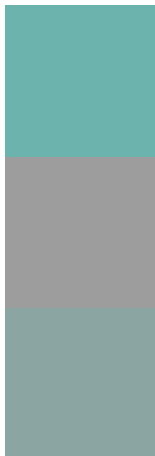
Deuteranomaly

37.7758, 0.2928, 0.3188

Tritanomaly

38.1782, 0.2571, 0.3197

Monochromacy



Original Color

38.3446, 0.2626, 0.3398

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

35.0079, 0.2918, 0.3335

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3446, 0.2626, 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(107, 179, 172)` looks like.

```
.text, #text, p{  
    color:rgb(107, 179, 172)  
}
```

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(107, 179, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 179, 172) }
```

Border

The CSS property to change the border of an element to Yxy 38.3446, 0.2626, 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(107, 179, 172) }
```

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

```
.border{ border-color:rgb(107, 179, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 179, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 179, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 179, 172);  
box-shadow:4px 4px 4px 4px rgb(107, 179,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3446, 0.2626, 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(107, 179, 172) }
```

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

```
.background{ background-color: rgb(107,  
179, 172) }
```

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