

Converting Colors

$Yxy(38.5896, 0.2466, 0.3711)$

Have a look what the booklet for
Yxy(38.5896, 0.2466, 0.3711)
contains.

Yxy(38.5318, 0.2465, 0.3706)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.5318, 0.2465, 0.3706)

Conversions

Conversions Part 1

Format	Color
Hex	38BAA1
RGB	56, 186, 161
RGB Percent	22%, 73%, 63%
CMY	0.7799, 0.2706, 0.3686
CMYK	0.70, 0.00, 0.13, 0.27
HSL	168°, 54%, 47%
HSV	168°, 70%, 73%
XYZ	25.6289, 38.5318, 39.8106
YIQ	144.2800, -69.4550, -35.3350

Conversions

Conversions Part 2

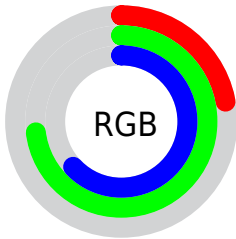
Format	Color
RYB	56, 128, 186
Decimal	3717793
CIELab	68.41, -40.82, 2.52
CIElCh	68, 40.894, 176.464
Yxy	38.5318, 0.2465, 0.3706
Android (android.graphics.Color)	4281907873 (0xFF38BAA1)
YUV	144.2800, 8.2430, -77.4216
Hunter-Lab	62.0740, -34.9309, 5.4266

Details

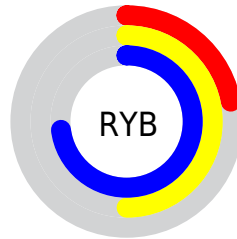
The Yxy color **38.5318, 0.2465, 0.3706** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **13.8752, 0.5002, 0.2997**, and the grayscale version is **28.0112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.0521, 0.2589, 0.3624**, and **17.6283, 0.2392, 0.3810** is the 20% darker color. If you saturate the color by 10%, you get **37.9675, 0.2433, 0.3775**, and if you desaturate by 10%, it is **39.3018, 0.2517, 0.3637**.

Distribution



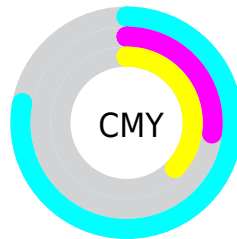
- Red (22%)
- Green (73%)
- Blue (63%)



- Red (22%)
- Yellow (50%)
- Blue (73%)



- Cyan (70%)
- Magenta (0%)
- Yellow (13%)
- Black (27%)





- Cyan (78%)
- Magenta (27%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.5318, 0.2465, 0.3706 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 38.5318, 0.2465, 0.3706 by changing the saturation by 10% instead.


 38.5318, 0.2465,
0.3706


 38.5318, 0.2465,
0.3706


339.8958, 0.2805,
0.3490

 26.3957, 0.2377,
0.3763


 72.9225, 0.2591,
0.3625

 17.1199, 0.2263,
0.3837


 95.9459, 0.2637,
0.3596


 10.3200, 0.2109,
0.3939


 123.3672, 0.2677,
0.3571

 5.6116, 0.1891,
0.4086

 155.5708, 0.2710,
0.3550

 2.6104, 0.1562,
0.4315

 192.9410, 0.2739,
0.3532

 0.9319, 0.0000,
0.5267

235.8624, 0.2764,

 0.0000, 0.0000,

0.3516

0.0000

284.7191, 0.2786,
0.3502

■ 38.5318, 0.2465,
0.3706

■ 38.5318, 0.2465,
0.3706

■ 37.9675, 0.2433,
0.3775

■ 39.3018, 0.2517,
0.3637

■ 37.5812, 0.2419,
0.3845

■ 40.2929, 0.2587,
0.3571

■ 37.3283, 0.2421,
0.3914

■ 41.5240, 0.2673,
0.3506

■ 37.3240, 0.2421,
0.3915

■ 43.0107, 0.2773,
0.3446

■ 44.7674, 0.2884,
0.3389

■ 46.8073, 0.3004,
0.3337

■ 49.1428, 0.3129,
0.3289

■ 51.7855, 0.3258,
0.3246

■ 54.7464, 0.3387,
0.3208

Harmonies

Analogous

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



38.5318, 0.2993, 0.4230



38.5318, 0.2465, 0.3706



38.5318, 0.2132, 0.3084

Triad

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



38.5318, 0.2465, 0.3706



38.5318, 0.2599, 0.2361



38.5318, 0.4334, 0.3806

Complementary

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



38.5318, 0.2465, 0.3706



13.8752, 0.5002, 0.2997

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.



38.5318, 0.4230, 0.3338



38.5318, 0.2465, 0.3706



38.5318, 0.3170, 0.2550

Square

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



38.5318, 0.2465, 0.3706



38.5318, 0.2208, 0.2372



38.5318, 0.3786, 0.2895



38.5318, 0.4084, 0.4209

Rectangle

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



38.5318, 0.2465, 0.3706



38.5318, 0.2047, 0.2743



38.5318, 0.3786, 0.2895



38.5318, 0.4341, 0.3652

Sweetspot

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



38.5333, 0.2465, 0.3706



80.6312, 0.2867, 0.3397



37.2004, 0.3165, 0.5411



17.5555, 0.2835, 0.3413



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.



38.5333, 0.2465, 0.3706



68.3968, 0.2423, 0.3814



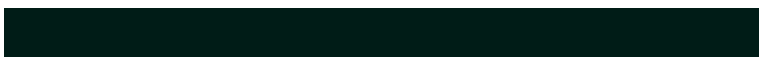
25.2677, 0.2171, 0.2620



10.1802, 0.3010, 0.3334



25.1230, 0.2418, 0.3906



0.8934, 0.2369, 0.3728

Inverse Universe

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



13.8752, 0.5002, 0.2997



20.9055, 0.5632, 0.3035



18.9258, 0.5005, 0.3779



9.0397, 0.3258, 0.3246



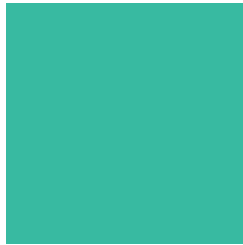
7.1164, 0.6067, 0.3116



0.2594, 0.5381, 0.2738

Previews

White Background



This preview shows how the Yxy color 38.5318, 0.2465, 0.3706 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 38.5318, 0.2465, 0.3706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

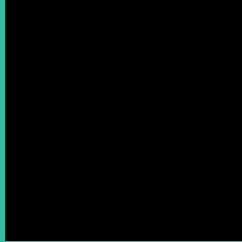
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

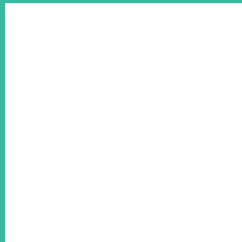
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.5318, 0.2465, 0.3706

Background



This preview shows how black text looks on a background with the Yxy color 38.5318, 0.2465, 0.3706.

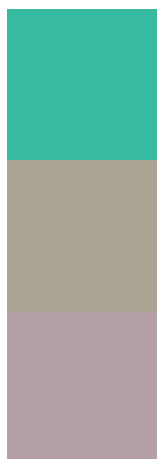


This preview shows how white text looks on a background with the Yxy color 38.5318, 0.2465, 0.3706.

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

38.5318, 0.2465, 0.3706

Protanopia

37.8829, 0.3327, 0.3504

Deuteranopia

37.7554, 0.3267, 0.3195



Tritanopia

38.4497, 0.2324, 0.3057

Trichromacy



Original Color

38.5318, 0.2465, 0.3706



Protanomaly

36.9661, 0.2909, 0.3586



Deuteranomaly

36.3268, 0.2871, 0.3350



Tritanomaly

38.4792, 0.2375, 0.3288

Monochromacy



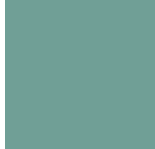
Original Color

38.5318, 0.2465, 0.3706



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

30.4430, 0.2779, 0.3441

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5318, 0.2465, 0.3706 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(56, 186, 161)` looks like.

```
.text, #text, p{  
    color:rgb(56, 186, 161)  
}
```

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(56, 186, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 186, 161) }
```

Border

The CSS property to change the border of an element to Yxy 38.5318, 0.2465, 0.3706 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(56, 186, 161) }
```

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

```
.border{ border-color:rgb(56, 186, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 186, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 186, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 186, 161);  
box-shadow:4px 4px 4px 4px rgb(56, 186,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5318, 0.2465, 0.3706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 186, 161) }
```

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

```
.background{ background-color: rgb(56, 186,  
161) }
```

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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