

Converting Colors

Yxy(38.2481, 0.2499, 0.4010)

Have a look what the booklet for
Yxy(38.2481, 0.2499, 0.4010)
contains.

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Color

Yxy(38.4351, 0.2500, 0.4015)

Conversions

Conversions Part 1

Format	Color
Hex	25BC92
RGB	37, 188, 146
RGB Percent	15%, 74%, 57%
CMY	0.8554, 0.2627, 0.4273
CMYK	0.80, 0.00, 0.22, 0.26
HSL	163°, 67%, 44%
HSV	163°, 80%, 74%
XYZ	23.9322, 38.4351, 33.3615
YIQ	138.0630, -76.5140, -45.0740

Conversions

Conversions Part 2

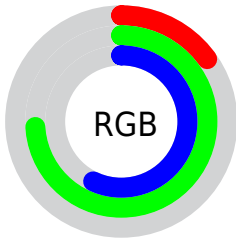
Format	Color
RYB	37, 125, 188
Decimal	2473106
CIELab	68.34, -47.80, 10.58
CIELCh	68, 48.961, 167.518
Yxy	38.4351, 0.2500, 0.4015
Android (android.graphics.Color)	4280663186 (0xFF25BC92)
YUV	138.0630, 3.9129, -88.6323
Hunter-Lab	61.9960, -39.5871, 11.4919

Details

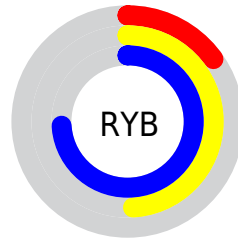
The Yxy color **38.4351, 0.2500, 0.4015** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **12.5693, 0.5187, 0.2859**, and the grayscale version is **25.4339, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.7262, 0.2624, 0.3865**, and **17.8764, 0.2510, 0.4238** is the 20% darker color. If you saturate the color by 10%, you get **38.0161, 0.2495, 0.4119**, and if you desaturate by 10%, it is **39.0432, 0.2524, 0.3911**.

Distribution



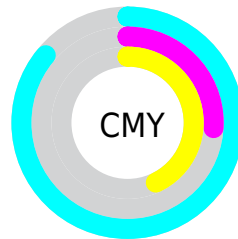
- Red (15%)
- Green (74%)
- Blue (57%)



- Red (15%)
- Yellow (49%)
- Blue (74%)



- Cyan (80%)
- Magenta (0%)
- Yellow (22%)
- Black (26%)





- Cyan (86%)
- Magenta (26%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4351, 0.2500, 0.4015 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 38.4351, 0.2500, 0.4015 by changing the saturation by 10% instead.


 38.4351, 0.2500,
0.4015

 38.4351, 0.2500,
0.4015


339.4828, 0.2829,
0.3626


 26.3206, 0.2413,
0.4122


 72.7745, 0.2623,
0.3867


 17.0636, 0.2298,
0.4265


 95.7682, 0.2669,
0.3813

 10.2799, 0.2140,
0.4466


 123.1571, 0.2706,
0.3769

 5.5849, 0.1911,
0.4768

 155.3255, 0.2738,
0.3731

 2.5944, 0.1550,
0.5271

 192.6579, 0.2766,
0.3699

 0.9238, 0.0000,
0.7768

235.5386, 0.2790,

 0.0000, 0.0000,

0.3671

0.0000

284.3521, 0.2811,
0.3647

■ 38.4351, 0.2500,
0.4015

■ 38.4351, 0.2500,
0.4015

■ 38.0161, 0.2495,
0.4119

■ 39.0432, 0.2524,
0.3911

■ 37.7412, 0.2505,
0.4218

■ 39.8603, 0.2568,
0.3808

■ 40.9084, 0.2630,
0.3708

■ 42.2057, 0.2708,
0.3612

■ 43.7682, 0.2799,
0.3522

■ 45.6109, 0.2901,
0.3439

■ 47.7475, 0.3009,
0.3362

■ 50.1909, 0.3123,
0.3293

■ 52.9529, 0.3238,
0.3230

Harmonies

Analogous

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



38.4351, 0.3161, 0.4552



38.4351, 0.2500, 0.4015



38.4351, 0.2041, 0.3243

Triad

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



38.4351, 0.2500, 0.4015



38.4351, 0.2337, 0.2183



38.4351, 0.4577, 0.3708

Complementary

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



38.4351, 0.2500, 0.4015



12.5693, 0.5187, 0.2859

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.



38.4351, 0.4328, 0.3169



38.4351, 0.2500, 0.4015



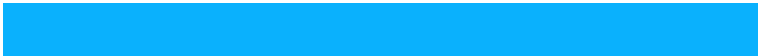
38.4351, 0.2953, 0.2339

Square

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



38.4351, 0.2500, 0.4015



38.4351, 0.1966, 0.2260



38.4351, 0.3700, 0.2687



38.4351, 0.4380, 0.4228

Rectangle

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



38.4351, 0.2500, 0.4015



38.4351, 0.1890, 0.2791



38.4351, 0.3700, 0.2687



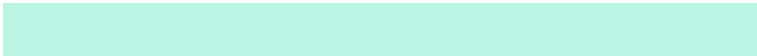
38.4351, 0.4545, 0.3526

Sweetspot

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



38.4366, 0.2500, 0.4015



81.2572, 0.2859, 0.3471



37.7943, 0.3210, 0.5617



17.2211, 0.2823, 0.3501



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.



38.4366, 0.2500, 0.4015



68.5230, 0.2503, 0.4193



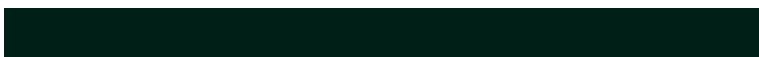
27.5512, 0.2141, 0.2730



10.7631, 0.3021, 0.3355



25.7070, 0.2502, 0.4205



1.0175, 0.2433, 0.3958

Inverse Universe

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



12.5693, 0.5187, 0.2859



20.0980, 0.5768, 0.2975



15.1569, 0.5555, 0.3623



9.5788, 0.3246, 0.3226



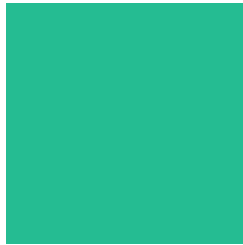
7.4604, 0.5811, 0.2975



0.3038, 0.5106, 0.2586

Previews

White Background



This preview shows how the Yxy color 38.4351, 0.2500, 0.4015 looks on a white background.

Color Contrast Check

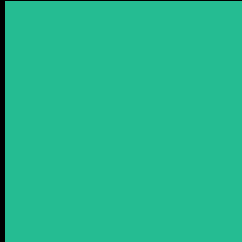
Large Text (above 18pt) WCAG AA × Fail

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 38.4351, 0.2500, 0.4015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

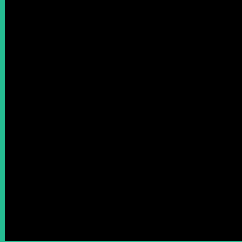
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.4351, 0.2500, 0.4015

Background



This preview shows how black text looks on a background with the Yxy color 38.4351, 0.2500, 0.4015.



This preview shows how white text looks on a background with the Yxy color 38.4351, 0.2500, 0.4015.

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

38.4351, 0.2500, 0.4015

Protanopia

37.7735, 0.3494, 0.3717

Deuteranopia

37.5024, 0.3460, 0.3386



Tritanopia

38.2266, 0.2302, 0.3055

Trichromacy



Original Color

38.4351, 0.2500, 0.4015



Protanomaly

36.1112, 0.2982, 0.3838



Deuteranomaly

35.8570, 0.2955, 0.3605



Tritanomaly

38.3361, 0.2367, 0.3385

Monochromacy



Original Color

38.4351, 0.2500, 0.4015



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

28.4667, 0.2756, 0.3556

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4351, 0.2500, 0.4015 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(37, 188, 146)` looks like.

```
.text, #text, p{  
    color:rgb(37, 188, 146)  
}
```

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(37, 188, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 188, 146) }
```

Border

The CSS property to change the border of an element to Yxy 38.4351, 0.2500, 0.4015 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(37, 188, 146) }
```

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

```
.border{ border-color:rgb(37, 188, 146) }
```

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

Here you see how a box with a 4 pixel rgb(37, 188, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 188, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 188, 146);  
box-shadow:4px 4px 4px 4px rgb(37, 188,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4351, 0.2500, 0.4015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 188, 146) }
```

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

```
.background{ background-color: rgb(37, 188,  
146) }
```

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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