

Converting Colors

$Yxy(38.5018, 0.2473, 0.4036)$

Have a look what the booklet for
Yxy(38.5018, 0.2473, 0.4036)
contains.

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Color

Yxy(38.6090, 0.2473, 0.4036)

Conversions

Conversions Part 1

Format	Color
Hex	13BD92
RGB	19, 189, 146
RGB Percent	7%, 74%, 57%
CMY	0.9246, 0.2588, 0.4275
CMYK	0.90, 0.00, 0.23, 0.26
HSL	165°, 82%, 41%
HSV	165°, 90%, 74%
XYZ	23.6571, 38.6090, 33.3954
YIQ	133.2680, -87.5170, -49.4130

Conversions

Conversions Part 2

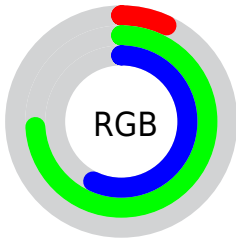
Format	Color
RYB	19, 116, 189
Decimal	1293714
CIELab	68.47, -49.57, 10.76
CIELCh	68, 50.719, 167.757
Yxy	38.6090, 0.2473, 0.4036
Android (android.graphics.Color)	4279483794 (0xFF13BD92)
YUV	133.2680, 6.2769, -100.2130
Hunter-Lab	62.1361, -40.7779, 11.6295

Details

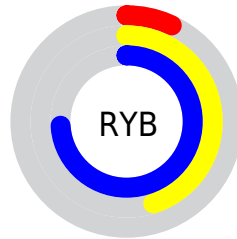
The Yxy color **38.6090, 0.2473, 0.4036** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **11.6429, 0.5606, 0.2954**, and the grayscale version is **23.5852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9064, 0.2600, 0.3880**, and **17.8764, 0.2510, 0.4238** is the 20% darker color. If you saturate the color by 10%, you get **38.3259, 0.2481, 0.4129**, and if you desaturate by 10%, it is **39.0365, 0.2481, 0.3942**.

Distribution



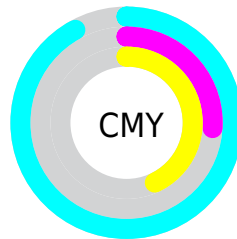
- Red (7%)
- Green (74%)
- Blue (57%)



- Red (7%)
- Yellow (45%)
- Blue (74%)



- Cyan (90%)
- Magenta (0%)
- Yellow (23%)
- Black (26%)




- Cyan (92%)
- Magenta (26%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.6090, 0.2473, 0.4036 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 38.6090, 0.2473, 0.4036 by changing the saturation by 10% instead.


 38.6090, 0.2473,
0.4036


 38.6090, 0.2473,
0.4036


340.2253, 0.2816,
0.3635

 26.4557, 0.2382,
0.4146


 73.0406, 0.2601,
0.3883


 17.1649, 0.2263,
0.4293

 96.0877, 0.2649,
0.3828


 10.3521, 0.2100,
0.4499


 123.5349, 0.2688,
0.3782

 5.6330, 0.1863,
0.4810

 155.7665, 0.2721,
0.3744

 2.6233, 0.1489,
0.5326

 193.1669, 0.2750,
0.3711

 0.9384, 0.0000,
0.7774

236.1206, 0.2775,

 0.0000, 0.0000,

0.3682

0.0000

285.0119, 0.2797,
0.3657

■ 38.6090, 0.2473,
0.4036

■ 38.6090, 0.2473,
0.4036

■ 38.3259, 0.2481,
0.4129

■ 39.0365, 0.2481,
0.3942

■ 38.3212, 0.2481,
0.4131

■ 39.6512, 0.2508,
0.3848

■ 40.4790, 0.2555,
0.3755

■ 41.5406, 0.2620,
0.3664

■ 42.8540, 0.2701,
0.3578

■ 44.4357, 0.2795,
0.3497

■ 46.3006, 0.2900,
0.3421

■ 48.4624, 0.3012,
0.3352

■ 50.9342, 0.3129,
0.3289

Harmonies

Analogous

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



38.6090, 0.3153, 0.4598



38.6090, 0.2473, 0.4036



38.6090, 0.2004, 0.3232

Triad

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



38.6090, 0.2473, 0.4036



38.6090, 0.2317, 0.2151



38.6090, 0.4625, 0.3720

Complementary

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



38.6090, 0.2473, 0.4036



11.6429, 0.5606, 0.2954

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.



38.6090, 0.4373, 0.3166



38.6090, 0.2473, 0.4036



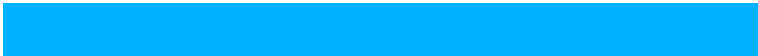
38.6090, 0.2952, 0.2313

Square

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



38.6090, 0.2473, 0.4036



38.6090, 0.1935, 0.2227



38.6090, 0.3725, 0.2672



38.6090, 0.4414, 0.4256

Rectangle

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



38.6090, 0.2473, 0.4036



38.6090, 0.1853, 0.2767



38.6090, 0.3725, 0.2672



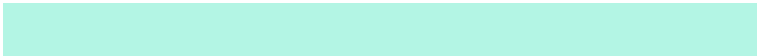
38.6090, 0.4594, 0.3533

Sweetspot

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



38.6105, 0.2473, 0.4036



80.3369, 0.2820, 0.3478



37.5495, 0.3158, 0.5794



17.0476, 0.2785, 0.3505



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.



38.6105, 0.2473, 0.4036



68.5937, 0.2485, 0.4146



25.4326, 0.2075, 0.2604



10.7671, 0.3018, 0.3349



25.7970, 0.2478, 0.4119



1.0205, 0.2416, 0.3896

Inverse Universe

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



11.6429, 0.5606, 0.2954



19.7245, 0.5960, 0.3057



13.9788, 0.5845, 0.3605



9.5750, 0.3250, 0.3232



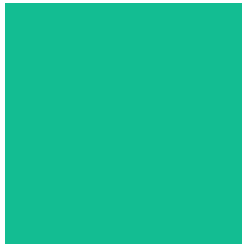
7.4328, 0.5891, 0.3019



0.3021, 0.5191, 0.2633

Previews

White Background



This preview shows how the Yxy color 38.6090, 0.2473, 0.4036 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 38.6090, 0.2473, 0.4036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

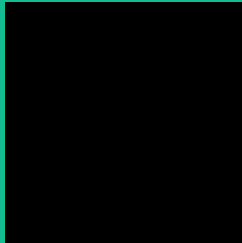
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.6090, 0.2473, 0.4036

Background



This preview shows how black text looks on a background with the Yxy color 38.6090, 0.2473, 0.4036.

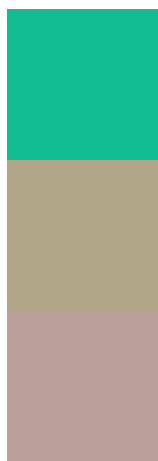


This preview shows how white text looks on a background with the Yxy color 38.6090, 0.2473, 0.4036.

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

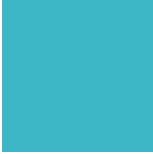
38.6090, 0.2473, 0.4036

Protanopia

37.8616, 0.3513, 0.3730

Deuteranopia

37.8477, 0.3457, 0.3400



Tritanopia

38.4792, 0.2281, 0.3055

Trichromacy



Original Color

38.6090, 0.2473, 0.4036



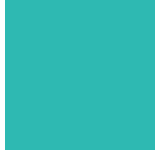
Protanomaly

36.0290, 0.2941, 0.3877



Deuteranomaly

35.6878, 0.2897, 0.3625



Tritanomaly

38.4931, 0.2343, 0.3402

Monochromacy



Original Color

38.6090, 0.2473, 0.4036



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

26.8928, 0.2703, 0.3565

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6090, 0.2473, 0.4036 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(19, 189, 146)` looks like.

```
.text, #text, p{  
    color:rgb(19, 189, 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(19, 189, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 189, 146) }
```

Border

The CSS property to change the border of an element to Yxy 38.6090, 0.2473, 0.4036 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(19, 189, 146) }
```

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

```
.border{ border-color:rgb(19, 189, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 189, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(19, 189, 146); -webkit-box-shadow:4px 4px 4px 4px rgb(19, 189, 146); box-shadow:4px 4px 4px 4px rgb(19, 189, 146) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6090, 0.2473, 0.4036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 189, 146) }
```

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

```
.background{ background-color: rgb(19, 189,  
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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