

Converting Colors

$Yxy(38.5909, 0.2546, 0.4252)$

Have a look what the booklet for
Yxy(38.5909, 0.2546, 0.4252)
contains.

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Color

Yxy(38.8092, 0.2547, 0.4254)

Conversions

Conversions Part 1

Format	Color
Hex	1BBE87
RGB	27, 190, 135
RGB Percent	11%, 75%, 53%
CMY	0.8945, 0.2549, 0.4706
CMYK	0.86, 0.00, 0.29, 0.25
HSL	160°, 75%, 43%
HSV	160°, 86%, 75%
XYZ	23.2363, 38.8092, 29.1844
YIQ	134.9930, -79.4930, -51.6610

Conversions

Conversions Part 2

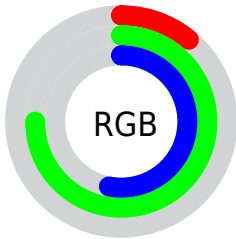
Format	Color
RYB	27, 125, 190
Decimal	1818247
CIELab	68.61, -52.07, 16.93
CIELCh	69, 54.753, 161.986
Yxy	38.8092, 0.2547, 0.4254
Android (android.graphics.Color)	4280008327 (0xFF1BBE87)
YUV	134.9930, 0.0035, -94.7099
Hunter-Lab	62.2970, -42.4408, 15.8322

Details

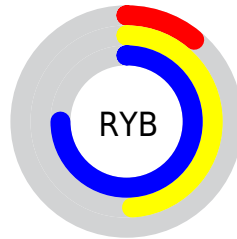
The Yxy color **38.8092, 0.2547, 0.4254** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **12.3361, 0.5188, 0.2765**, and the grayscale version is **24.2389, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.0954, 0.2665, 0.4054**, and **17.9838, 0.2588, 0.4517** is the 20% darker color. If you saturate the color by 10%, you get **38.4548, 0.2558, 0.4381**, and if you desaturate by 10%, it is **39.3438, 0.2555, 0.4125**.

Distribution



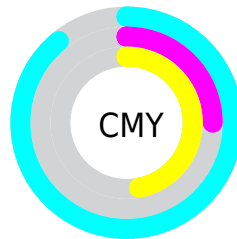
- Red (11%)
- Green (75%)
- Blue (53%)



- Red (11%)
- Yellow (49%)
- Blue (75%)



- Cyan (86%)
- Magenta (0%)
- Yellow (29%)
- Black (25%)





- Cyan (89%)
- Magenta (25%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.8092, 0.2547, 0.4254 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 38.8092, 0.2547, 0.4254 by changing the saturation by 10% instead.


 38.8092, 0.2547,
0.4254


 38.8092, 0.2547,
0.4254


341.0786, 0.2858,
0.3729


 26.6113, 0.2462,
0.4400


 73.3468, 0.2665,
0.4052


 17.2815, 0.2349,
0.4598


 96.4552, 0.2708,
0.3980


 10.4354, 0.2190,
0.4879


 123.9693, 0.2744,
0.3920

 5.6886, 0.1955,
0.5305

 156.2735, 0.2774,
0.3869

 2.6567, 0.1560,
0.6028

 193.7521, 0.2800,
0.3827

 0.9552, 0.0000,
1.0000

236.7896, 0.2822,

 0.0000, 0.0000,

0.3789

0.0000

285.7703, 0.2841,
0.3757

■ 38.8092, 0.2547,
0.4254

■ 38.8092, 0.2547,
0.4254

■ 38.4548, 0.2558,
0.4381

■ 39.3438, 0.2555,
0.4125

■ 38.3340, 0.2565,
0.4434

■ 40.0829, 0.2584,
0.3996

■ 41.0512, 0.2631,
0.3870

■ 42.2687, 0.2696,
0.3748

■ 43.7529, 0.2774,
0.3633

■ 45.5199, 0.2864,
0.3526

■ 47.5846, 0.2962,
0.3428

■ 49.9605, 0.3065,
0.3338

■ 52.6606, 0.3172,
0.3258

Harmonies

Analogous

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



38.8092, 0.3295, 0.4762



38.8092, 0.2547, 0.4254



38.8092, 0.1998, 0.3385

Triad

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



38.8092, 0.2547, 0.4254



38.8092, 0.2160, 0.2073



38.8092, 0.4725, 0.3619

Complementary

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



38.8092, 0.2547, 0.4254



12.3361, 0.5188, 0.2765

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.



38.8092, 0.4361, 0.3042



38.8092, 0.2547, 0.4254



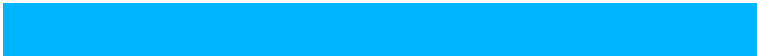
38.8092, 0.2787, 0.2200

Square

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



38.8092, 0.2547, 0.4254



38.8092, 0.1813, 0.2200



38.8092, 0.3607, 0.2543



38.8092, 0.4579, 0.4204

Rectangle

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



38.8092, 0.2547, 0.4254



38.8092, 0.1801, 0.2851



38.8092, 0.3607, 0.2543



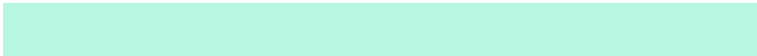
38.8092, 0.4661, 0.3423

Sweetspot

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



38.8107, 0.2547, 0.4254



82.2800, 0.2858, 0.3532



38.7932, 0.3255, 0.5671



17.8105, 0.2826, 0.3569



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



38.8107, 0.2547, 0.4254



69.4130, 0.2571, 0.4454



31.0564, 0.2160, 0.2880



10.7533, 0.3029, 0.3369



25.5030, 0.2560, 0.4418



1.0107, 0.2476, 0.4114

Inverse Universe

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



12.3361, 0.5188, 0.2765



20.4691, 0.5671, 0.2898



13.4276, 0.5880, 0.3488



9.5881, 0.3237, 0.3213



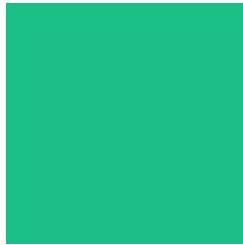
7.5393, 0.5596, 0.2856



0.3078, 0.4912, 0.2480

Previews

White Background



This preview shows how the Yxy color 38.8092, 0.2547, 0.4254 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 38.8092, 0.2547, 0.4254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

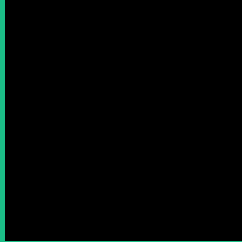
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.8092, 0.2547, 0.4254

Background



This preview shows how black text looks on a background with the Yxy color 38.8092, 0.2547, 0.4254.



This preview shows how white text looks on a background with the Yxy color 38.8092, 0.2547, 0.4254.

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

38.8092, 0.2547, 0.4254

Protanopia

38.1926, 0.3622, 0.3882

Deuteranopia

38.1710, 0.3605, 0.3534



Tritanopia

38.7161, 0.2305, 0.3057

Trichromacy



Original Color

38.8092, 0.2547, 0.4254



Protanomaly

36.4294, 0.3049, 0.4055



Deuteranomaly

35.8152, 0.3033, 0.3801



Tritanomaly

38.5108, 0.2382, 0.3468

Monochromacy



Original Color

38.8092, 0.2547, 0.4254



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

27.6788, 0.2761, 0.3654

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8092, 0.2547, 0.4254 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(27, 190, 135)` looks like.

```
.text, #text, p{  
    color:rgb(27, 190, 135)  
}
```

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(27, 190, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 190, 135) }
```

Border

The CSS property to change the border of an element to Yxy 38.8092, 0.2547, 0.4254 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(27, 190, 135) }
```

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

```
.border{ border-color:rgb(27, 190, 135) }
```

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

Here you see how a box with a 4 pixel rgb(27, 190, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 190, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 190, 135);  
box-shadow:4px 4px 4px 4px rgb(27, 190,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8092, 0.2547, 0.4254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 190, 135) }
```

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

```
.background{ background-color: rgb(27, 190,  
135) }
```

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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