

Converting Colors

$Yxy(38.3858, 0.2569, 0.4287)$

Have a look what the booklet for
Yxy(38.3858, 0.2569, 0.4287)
contains.

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Color

Yxy(38.3845, 0.2572, 0.4294)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 21BD84 |
| RGB | 33, 189, 132 |
| RGB Percent | 13%, 74%, 52% |
| CMY | 0.8700, 0.2588, 0.4825 |
| CMYK | 0.82, 0.00, 0.30, 0.26 |
| HSL | 158°, 70%, 44% |
| HSV | 158°, 82%, 74% |
| XYZ | 22.9914, 38.3845, 28.0151 |
| YIQ | 135.8580, -74.6790, -50.7990 |

Conversions

Conversions Part 2

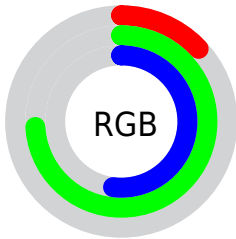
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 33, 128, 189 |
| Decimal | 2211204 |
| CIELab | 68.30, -51.84, 18.14 |
| CIELCh | 68, 54.920, 160.709 |
| Yxy | 38.3845, 0.2572, 0.4294 |
| Android (android.graphics.Color) | 4280401284 (0xFF21BD84) |
| YUV | 135.8580, -1.9020, -90.2065 |
| Hunter-Lab | 61.9552, -42.1809, 16.5587 |

Details

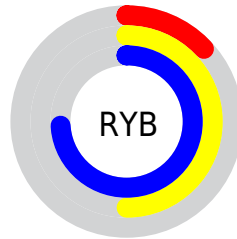
The Yxy color **38.3845, 0.2572, 0.4294** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **12.6564, 0.4979, 0.2695**, and the grayscale version is **24.6093, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5401, 0.2689, 0.4082**, and **17.6594, 0.2605, 0.4579** is the 20% darker color. If you saturate the color by 10%, you get **37.9725, 0.2579, 0.4434**, and if you desaturate by 10%, it is **38.9873, 0.2585, 0.4153**.

Distribution



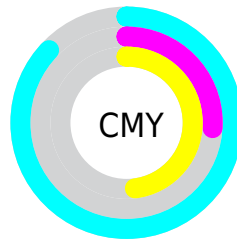
- Red (13%)
- Green (74%)
- Blue (52%)



- Red (13%)
- Yellow (50%)
- Blue (74%)



- Cyan (82%)
- Magenta (0%)
- Yellow (30%)
- Black (26%)




- Cyan (87%)
- Magenta (26%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3845, 0.2572, 0.4294 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 38.3845, 0.2572, 0.4294 by changing the saturation by 10% instead.


 38.3845, 0.2572,
0.4294


 38.3845, 0.2572,
0.4294


339.2665, 0.2872,
0.3745

 26.2812, 0.2489,
0.4448


 72.6971, 0.2687,
0.4082


 17.0342, 0.2378,
0.4656


 95.6752, 0.2728,
0.4007

 10.2589, 0.2221,
0.4953


 123.0471, 0.2763,
0.3944

 5.5709, 0.1987,
0.5405

 155.1971, 0.2791,
0.3891

 2.5860, 0.1579,
0.6180

 192.5097, 0.2816,
0.3847

 0.9196, 0.0000,
1.0000

235.3692, 0.2837,

 0.0000, 0.0000,

0.3808

0.0000

284.1600, 0.2856,
0.3774

■ 38.3845, 0.2572,
0.4294

■ 38.3845, 0.2572,
0.4294

■ 37.9725, 0.2579,
0.4434

■ 38.9873, 0.2585,
0.4153

■ 37.7471, 0.2594,
0.4537

■ 39.8020, 0.2618,
0.4013

■ 40.8520, 0.2669,
0.3876

■ 42.1559, 0.2735,
0.3746

■ 43.7309, 0.2815,
0.3623

■ 45.5921, 0.2905,
0.3509

■ 47.7540, 0.3001,
0.3406

■ 50.2298, 0.3102,
0.3312

■ 53.0319, 0.3205,
0.3227

Harmonies

Analogous

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



38.3845, 0.3328, 0.4781



38.3845, 0.2572, 0.4294



38.3845, 0.2009, 0.3423

Triad

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



38.3845, 0.2572, 0.4294



38.3845, 0.2134, 0.2066



38.3845, 0.4731, 0.3595

Complementary

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



38.3845, 0.2572, 0.4294



12.6564, 0.4979, 0.2695

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.



38.3845, 0.4343, 0.3016



38.3845, 0.2572, 0.4294



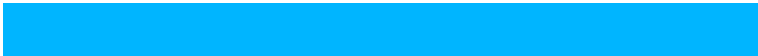
38.3845, 0.2753, 0.2184

Square

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



38.3845, 0.2572, 0.4294



38.3845, 0.1798, 0.2206



38.3845, 0.3574, 0.2520



38.3845, 0.4603, 0.4184

Rectangle

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



38.3845, 0.2572, 0.4294



38.3845, 0.1802, 0.2878



38.3845, 0.3574, 0.2520



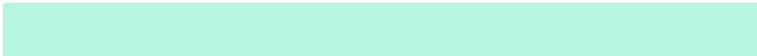
38.3845, 0.4658, 0.3397

Sweetspot

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



38.3860, 0.2572, 0.4294



80.6205, 0.2878, 0.3542



38.6943, 0.3286, 0.5597



17.0841, 0.2846, 0.3582



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.



38.3860, 0.2572, 0.4294



67.6038, 0.2597, 0.4545



32.0866, 0.2189, 0.2943



10.7487, 0.3032, 0.3375



25.4127, 0.2589, 0.4520



1.0076, 0.2497, 0.4189

Inverse Universe

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



12.6564, 0.4979, 0.2695



20.1873, 0.5530, 0.2826



13.5616, 0.5787, 0.3476



9.5925, 0.3232, 0.3206



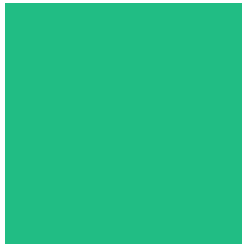
7.5833, 0.5485, 0.2795



0.3098, 0.4823, 0.2430

Previews

White Background



This preview shows how the Yxy color 38.3845, 0.2572, 0.4294 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 38.3845, 0.2572, 0.4294 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 38.3845, 0.2572, 0.4294

Background



This preview shows how black text looks on a background with the Yxy color 38.3845, 0.2572, 0.4294.



This preview shows how white text looks on a background with the Yxy color 38.3845, 0.2572, 0.4294.

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

38.3845, 0.2572, 0.4294

Protanopia

37.6379, 0.3643, 0.3913

Deuteranopia

37.6075, 0.3627, 0.3562



Tritanopia

38.3354, 0.2313, 0.3056

Trichromacy



Original Color

38.3845, 0.2572, 0.4294



Protanomaly

36.1127, 0.3090, 0.4088



Deuteranomaly

35.5136, 0.3075, 0.3833



Tritanomaly

38.1680, 0.2396, 0.3468

Monochromacy



Original Color

38.3845, 0.2572, 0.4294



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

27.8446, 0.2785, 0.3651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3845, 0.2572, 0.4294 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(33, 189, 132)` looks like.

```
.text, #text, p{  
    color:rgb(33, 189, 132)  
}
```

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(33, 189, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 189, 132) }
```

Border

The CSS property to change the border of an element to Yxy 38.3845, 0.2572, 0.4294 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(33, 189, 132) }
```

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

```
.border{ border-color:rgb(33, 189, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 189, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 189, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 189, 132);  
box-shadow:4px 4px 4px 4px rgb(33, 189,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3845, 0.2572, 0.4294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 189, 132) }
```

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

```
.background{ background-color: rgb(33, 189,  
132) }
```

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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