

Converting Colors

$Yxy(33.6564, 0.2509, 0.4214)$

Have a look what the booklet for
Yxy(33.6564, 0.2509, 0.4214)
contains.

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Color

Yxy(33.8574, 0.2510, 0.4219)

Conversions

Conversions Part 1

Format	Color
Hex	05B381
RGB	5, 179, 129
RGB Percent	2%, 70%, 51%
CMY	0.9818, 0.2980, 0.4940
CMYK	0.97, 0.00, 0.28, 0.30
HSL	163°, 95%, 36%
HSV	163°, 97%, 70%
XYZ	20.1427, 33.8574, 26.2497
YIQ	121.2740, -87.6540, -52.4380

Conversions

Conversions Part 2

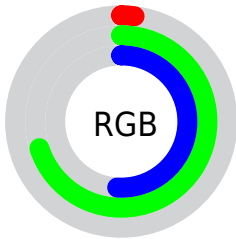
Format	Color
RYB	5, 107, 179
Decimal	373633
CIELab	64.85, -50.39, 14.92
CIELCh	65, 52.550, 163.506
Yxy	33.8574, 0.2510, 0.4219
Android (android.graphics.Color)	4278563713 (0xFF05B381)
YUV	121.2740, 3.8089, -101.9723
Hunter-Lab	58.1871, -40.0359, 13.9837

Details

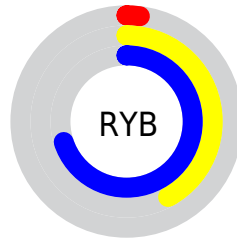
The Yxy color **33.8574, 0.2510, 0.4219** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **9.9575, 0.5725, 0.2950**, and the grayscale version is **19.1876, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8551, 0.2641, 0.4020**, and **15.2464, 0.2575, 0.4471** is the 20% darker color. If you saturate the color by 10%, you get **33.7937, 0.2513, 0.4247**, and if you desaturate by 10%, it is **34.1455, 0.2503, 0.4112**.

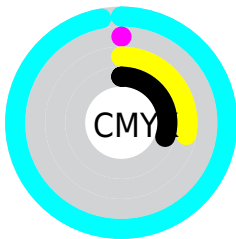
Distribution



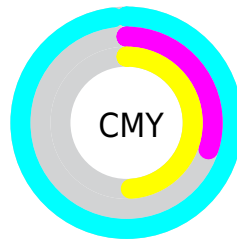
- Red (2%)
- Green (70%)
- Blue (51%)



- Red (2%)
- Yellow (42%)
- Blue (70%)



- Cyan (97%)
- Magenta (0%)
- Yellow (28%)
- Black (30%)





- Cyan (98%)
- Magenta (30%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8574, 0.2510, 0.4219 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 33.8574, 0.2510, 0.4219 by changing the saturation by 10% instead.


 33.8574, 0.2510,
0.4219


 33.8574, 0.2510,
0.4219


319.4957, 0.2846,
0.3704

 22.7841, 0.2416,
0.4367


 65.7119, 0.2639,
0.4018


 14.4341, 0.2290,
0.4570


 87.2618, 0.2685,
0.3947


 8.4232, 0.2111,
0.4863


 113.0727, 0.2724,
0.3888

 4.3669, 0.1840,
0.5322

 143.5289, 0.2756,
0.3839

 1.8809, 0.1123,
0.6354

 179.0150, 0.2783,
0.3798

 0.5368, 0.0000,
1.0000

 219.9152, 0.2807,

 0.0000, 0.0000,

0.3762

0.0000

266.6140, 0.2828,
0.3731

■ 33.8574, 0.2510,
0.4219

■ 33.8574, 0.2510,
0.4219

■ 33.7937, 0.2513,
0.4247

■ 34.1455, 0.2503,
0.4112

■ 34.5756, 0.2513,
0.4005

■ 35.1794, 0.2543,
0.3897

■ 35.9771, 0.2592,
0.3792

■ 36.9862, 0.2658,
0.3690

■ 38.2222, 0.2739,
0.3593

■ 39.6990, 0.2833,
0.3503

■ 41.4296, 0.2935,
0.3419

■ 43.4258, 0.3044,
0.3342

Harmonies

Analogous

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



33.8574, 0.3255, 0.4758



33.8574, 0.2510, 0.4219



33.8574, 0.1973, 0.3341

Triad

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



33.8574, 0.2510, 0.4219



33.8574, 0.2182, 0.2069



33.8574, 0.4737, 0.3650

Complementary

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



33.8574, 0.2510, 0.4219



9.9575, 0.5725, 0.2950

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.



33.8574, 0.4397, 0.3069



33.8574, 0.2510, 0.4219



33.8574, 0.2824, 0.2209

Square

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



33.8574, 0.2510, 0.4219



33.8574, 0.1819, 0.2183



33.8574, 0.3652, 0.2563



33.8574, 0.4565, 0.4235

Rectangle

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



33.8574, 0.2510, 0.4219



33.8574, 0.1787, 0.2813



33.8574, 0.3652, 0.2563



33.8574, 0.4681, 0.3452

Sweetspot

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



33.8587, 0.2510, 0.4219



70.5064, 0.2812, 0.3521



33.1217, 0.3154, 0.5858



15.3700, 0.2772, 0.3559



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



33.8587, 0.2510, 0.4219



60.4774, 0.2518, 0.4264



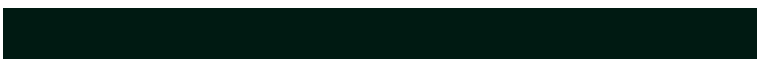
23.2719, 0.2075, 0.2655



9.5892, 0.3023, 0.3356



23.8896, 0.2510, 0.4234



0.7611, 0.2427, 0.3938

Inverse Universe

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



9.9575, 0.5725, 0.2950



17.5637, 0.5845, 0.2993



11.0796, 0.6109, 0.3496



8.5440, 0.3244, 0.3225



6.9531, 0.5773, 0.2954



0.2291, 0.4967, 0.2510

Previews

White Background



This preview shows how the Yxy color 33.8574, 0.2510, 0.4219 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 33.8574, 0.2510, 0.4219 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 33.8574, 0.2510, 0.4219

Background



This preview shows how black text looks on a background with the Yxy color 33.8574, 0.2510, 0.4219.



This preview shows how white text looks on a background with the Yxy color 33.8574, 0.2510, 0.4219.

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

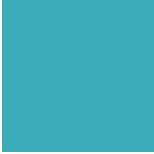
33.8574, 0.2510, 0.4219

Protanopia

33.3004, 0.3602, 0.3858

Deuteranopia

33.1457, 0.3582, 0.3506



Tritanopia

33.9800, 0.2289, 0.3059

Trichromacy



Original Color

33.8574, 0.2510, 0.4219



Protanomaly

31.1442, 0.2971, 0.4027



Deuteranomaly

30.8962, 0.2950, 0.3770



Tritanomaly

33.8079, 0.2350, 0.3461

Monochromacy



Original Color

33.8574, 0.2510, 0.4219



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

22.4635, 0.2687, 0.3651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8574, 0.2510, 0.4219 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(5, 179, 129)` looks like.

```
.text, #text, p{  
    color:rgb(5, 179, 129)  
}
```

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(5, 179, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 179, 129) }
```

Border

The CSS property to change the border of an element to Yxy 33.8574, 0.2510, 0.4219 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(5, 179, 129) }
```

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

```
.border{ border-color:rgb(5, 179, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 179, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 179, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 179, 129);  
box-shadow:4px 4px 4px 4px rgb(5, 179,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8574, 0.2510, 0.4219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 179, 129) }
```

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

```
.background{ background-color: rgb(5, 179,  
129) }
```

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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