

Converting Colors

$Yxy(33.8461, 0.2760, 0.4181)$

Have a look what the booklet for
Yxy(33.8461, 0.2760, 0.4181)
contains.

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Color

Yxy(33.8461, 0.2760, 0.4181)

Conversions

Conversions Part 1

Format	Color
Hex	50AF7D
RGB	80, 175, 125
RGB Percent	31%, 69%, 49%
CMY	0.6861, 0.3137, 0.5097
CMYK	0.54, 0.00, 0.29, 0.31
HSL	148°, 37%, 50%
HSV	148°, 54%, 69%
XYZ	22.3428, 33.8461, 24.7633
YIQ	140.8950, -40.5700, -35.6900

Conversions

Conversions Part 2

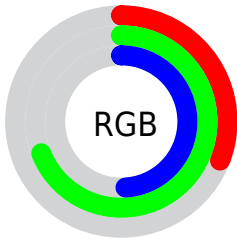
Format	Color
RYB	80, 144, 175
Decimal	5287805
CIELab	64.84, -39.87, 17.30
CIELCh	65, 43.459, 156.543
Yxy	33.8461, 0.2760, 0.4181
Android (android.graphics.Color)	4283477885 (0xFF50AF7D)
YUV	140.8950, -7.8362, -53.4049
Hunter-Lab	58.1774, -33.2582, 15.4873

Details

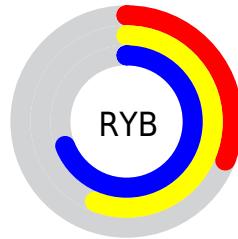
The Yxy color **33.8461, 0.2760, 0.4181** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **16.4681, 0.3837, 0.2571**, and the grayscale version is **26.6402, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.6004, 0.2840, 0.3983**, and **14.5190, 0.2619, 0.4519** is the 20% darker color. If you saturate the color by 10%, you get **32.9574, 0.2725, 0.4383**, and if you desaturate by 10%, it is **34.9578, 0.2810, 0.3987**.

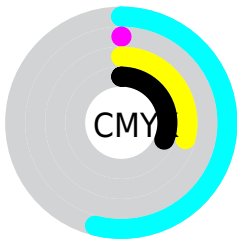
Distribution



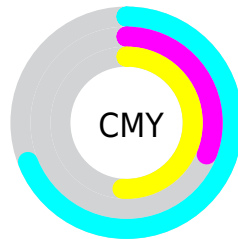
- Red (31%)
- Green (69%)
- Blue (49%)



- Red (31%)
- Yellow (56%)
- Blue (69%)



- Cyan (54%)
- Magenta (0%)
- Yellow (29%)
- Black (31%)



- Cyan (69%)
- Magenta (31%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8461, 0.2760, 0.4181 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 33.8461, 0.2760, 0.4181 by changing the saturation by 10% instead.

 33.8461, 0.2760,
0.4181


 33.8461, 0.2760,
0.4181

319.4453, 0.2965,
0.3687

 22.7754, 0.2700,
0.4323


 65.6943, 0.2840,
0.3988


 14.4277, 0.2618,
0.4517


 87.2405, 0.2869,
0.3920


 8.4188, 0.2498,
0.4800


 113.0474, 0.2892,
0.3864

 4.3641, 0.2307,
0.5243

 143.4993, 0.2912,
0.3817

 1.8792, 0.1931,
0.6168

 178.9807, 0.2928,
0.3777

 0.5358, 0.0000,
1.0000

219.8759, 0.2942,

 0.0000, 0.0000,

0.3743

0.0000

266.5693, 0.2955,
0.3713

■ 33.8461, 0.2760,
0.4181

■ 33.8461, 0.2760,
0.4181

■ 32.9574, 0.2725,
0.4383

■ 34.9578, 0.2810,
0.3987

■ 32.2712, 0.2708,
0.4588

■ 36.3030, 0.2871,
0.3804

■ 31.7701, 0.2709,
0.4790

■ 37.8963, 0.2941,
0.3636

■ 31.4317, 0.2730,
0.4982

■ 39.7502, 0.3016,
0.3482

■ 31.2823, 0.2747,
0.5088

■ 41.8760, 0.3094,
0.3344

■ 44.2844, 0.3172,
0.3221

■ 46.9858, 0.3250,
0.3112

■ 49.9897, 0.3327,
0.3017

■ 53.3053, 0.3400,
0.2933

Harmonies

Analogous

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



33.8461, 0.3408, 0.4520



33.8461, 0.2760, 0.4181



33.8461, 0.2244, 0.3511

Triad

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



33.8461, 0.2760, 0.4181



33.8461, 0.2234, 0.2253



33.8461, 0.4435, 0.3504

Complementary

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



33.8461, 0.2760, 0.4181



16.4681, 0.3837, 0.2571

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.



33.8461, 0.4057, 0.3006



33.8461, 0.2760, 0.4181



33.8461, 0.2736, 0.2322

Square

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



33.8461, 0.2760, 0.4181



33.8461, 0.1975, 0.2420



33.8461, 0.3406, 0.2589



33.8461, 0.4405, 0.4007

Rectangle

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



33.8461, 0.2760, 0.4181



33.8461, 0.2034, 0.3052



33.8461, 0.3406, 0.2589



33.8461, 0.4352, 0.3334

Sweetspot

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



33.8475, 0.2760, 0.4181



70.4865, 0.3000, 0.3512



36.0390, 0.3465, 0.4786



15.5138, 0.2985, 0.3542



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



33.8475, 0.2760, 0.4181



58.7716, 0.2720, 0.4421



35.3385, 0.2464, 0.3340



9.0002, 0.3054, 0.3412



22.4150, 0.2741, 0.5067



0.6347, 0.2579, 0.4483

Inverse Universe

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



16.4681, 0.3837, 0.2571



24.4140, 0.4079, 0.2454



15.4837, 0.4642, 0.3249



8.0831, 0.3207, 0.3171



7.0940, 0.4816, 0.2427



0.2083, 0.4208, 0.2092

Previews

White Background



This preview shows how the Yxy color 33.8461, 0.2760, 0.4181 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 33.8461, 0.2760, 0.4181 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 33.8461, 0.2760, 0.4181

Background



This preview shows how black text looks on a background with the Yxy color 33.8461, 0.2760, 0.4181.



This preview shows how white text looks on a background with the Yxy color 33.8461, 0.2760, 0.4181.

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

33.8461, 0.2760, 0.4181

Protanopia

33.3627, 0.3632, 0.3885

Deuteranopia

33.1277, 0.3645, 0.3577



Tritanopia

33.8283, 0.2474, 0.3081

Trichromacy



Original Color

33.8461, 0.2760, 0.4181



Protanomaly

32.7605, 0.3253, 0.4009



Deuteranomaly

32.2841, 0.3260, 0.3786



Tritanomaly

33.8727, 0.2572, 0.3456

Monochromacy



Original Color

33.8461, 0.2760, 0.4181



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

28.4537, 0.2958, 0.3601

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8461, 0.2760, 0.4181 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(80, 175, 125)` looks like.

```
.text, #text, p{  
    color:rgb(80, 175, 125)  
}
```

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(80, 175, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 175, 125) }
```

Border

The CSS property to change the border of an element to Yxy 33.8461, 0.2760, 0.4181 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(80, 175, 125) }
```

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

```
.border{ border-color:rgb(80, 175, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 175, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 175, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 175, 125);  
box-shadow:4px 4px 4px 4px rgb(80, 175,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8461, 0.2760, 0.4181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 175, 125) }
```

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

```
.background{ background-color: rgb(80, 175,  
125) }
```

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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