

Converting Colors

$Yxy(35.1812, 0.2766, 0.4873)$

Have a look what the booklet for
Yxy(35.1812, 0.2766, 0.4873)
contains.

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Color

Yxy(35.1812, 0.2766, 0.4873)

Conversions

Conversions Part 1

Format	Color
Hex	28B761
RGB	40, 183, 97
RGB Percent	16%, 72%, 38%
CMY	0.8427, 0.2824, 0.6196
CMYK	0.78, 0.00, 0.47, 0.28
HSL	144°, 64%, 44%
HSV	144°, 78%, 72%
XYZ	19.9695, 35.1812, 17.0455
YIQ	130.4390, -57.6220, -57.0620

Conversions

Conversions Part 2

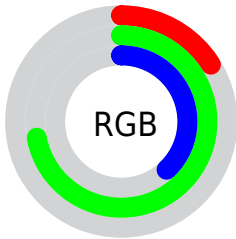
Format	Color
RYB	40, 142, 183
Decimal	2668385
CIELab	65.89, -55.73, 33.40
CIElCh	66, 64.970, 149.065
Yxy	35.1812, 0.2766, 0.4873
Android (android.graphics.Color)	4280858465 (0xFF28B761)
YUV	130.4390, -16.4854, -79.3150
Hunter-Lab	59.3137, -43.7025, 24.4809

Details

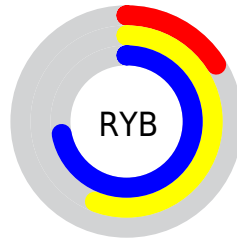
The Yxy color **35.1812, 0.2766, 0.4873** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **13.1026, 0.4134, 0.2251**, and the grayscale version is **22.5748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.7413, 0.2862, 0.4520**, and **15.9139, 0.2821, 0.5354** is the 20% darker color. If you saturate the color by 10%, you get **34.7062, 0.2779, 0.5093**, and if you desaturate by 10%, it is **35.8613, 0.2771, 0.4642**.

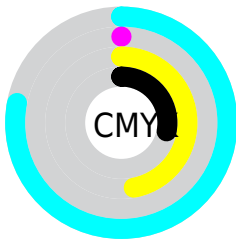
Distribution



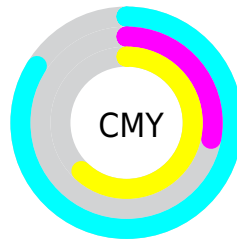
- Red (16%)
- Green (72%)
- Blue (38%)



- Red (16%)
- Yellow (56%)
- Blue (72%)



- Cyan (78%)
- Magenta (0%)
- Yellow (47%)
- Black (28%)





- Cyan (84%)
- Magenta (28%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.1812, 0.2766, 0.4873 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 35.1812, 0.2766, 0.4873 by changing the saturation by 10% instead.


 35.1812, 0.2766,
0.4873


 35.1812, 0.2766,
0.4873


325.3674, 0.2992,
0.3980

 23.8025, 0.2691,
0.5131


 67.7664, 0.2861,
0.4523

 15.1872, 0.2580,
0.5484


 89.7416, 0.2893,
0.4399


 8.9509, 0.2409,
0.5987


 116.0179, 0.2918,
0.4298

 4.7091, 0.2121,
0.6752

 146.9795, 0.2938,
0.4213

 2.0776, 0.1304,
0.8696

 183.0108, 0.2955,
0.4141

 0.6520, 0.0000,
1.0000

224.4963, 0.2970,

 0.0000, 0.0000,

0.4080

0.0000

271.8204, 0.2982,
0.4027

■ 35.1812, 0.2766,
0.4873

■ 35.1812, 0.2766,
0.4873

■ 34.7062, 0.2779,
0.5093

■ 35.8613, 0.2771,
0.4642

■ 34.3963, 0.2808,
0.5294

■ 36.7649, 0.2794,
0.4408

■ 34.3450, 0.2814,
0.5331

■ 37.9130, 0.2832,
0.4180

■ 39.3230, 0.2882,
0.3963

■ 41.0106, 0.2941,
0.3761

■ 42.9903, 0.3005,
0.3577

■ 45.2754, 0.3072,
0.3411

■ 47.8785, 0.3140,
0.3263

■ 50.8116, 0.3208,
0.3132

Harmonies

Analogous

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



35.1812, 0.3680, 0.5128



35.1812, 0.2766, 0.4873



35.1812, 0.2001, 0.3875

Triad

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



35.1812, 0.2766, 0.4873



35.1812, 0.1767, 0.1876



35.1812, 0.4962, 0.3337

Complementary

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



35.1812, 0.2766, 0.4873



13.1026, 0.4134, 0.2251

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.



35.1812, 0.4274, 0.2709



35.1812, 0.2766, 0.4873



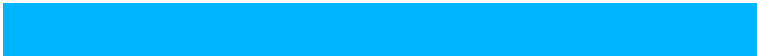
35.1812, 0.2349, 0.1912

Square

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



35.1812, 0.2766, 0.4873



35.1812, 0.1514, 0.2146



35.1812, 0.3254, 0.2205



35.1812, 0.5010, 0.4019

Rectangle

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



35.1812, 0.2766, 0.4873



35.1812, 0.1678, 0.3132



35.1812, 0.3254, 0.2205



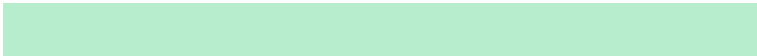
35.1812, 0.4797, 0.3119

Sweetspot

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



35.1826, 0.2766, 0.4873



75.0491, 0.2970, 0.3672



38.6271, 0.3598, 0.5293



16.3025, 0.2947, 0.3740



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



35.1826, 0.2766, 0.4873



61.7290, 0.2801, 0.5245



37.0849, 0.2380, 0.3569



10.1178, 0.3063, 0.3431



23.9731, 0.2808, 0.5309



0.8574, 0.2659, 0.4771

Inverse Universe

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



13.1026, 0.4134, 0.2251



20.5020, 0.4451, 0.2252



11.8863, 0.5541, 0.3133



9.1005, 0.3197, 0.3153



7.8247, 0.4511, 0.2259



0.2877, 0.4092, 0.2028

Previews

White Background



This preview shows how the Yxy color 35.1812, 0.2766, 0.4873 looks on a white background.

Color Contrast Check

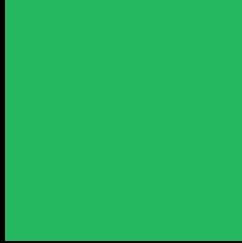
Large Text (above 18pt) WCAG AA × Fail

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 35.1812, 0.2766, 0.4873 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 35.1812, 0.2766, 0.4873

Background



This preview shows how black text looks on a background with the Yxy color 35.1812, 0.2766, 0.4873.



This preview shows how white text looks on a background with the Yxy color 35.1812, 0.2766, 0.4873.

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

35.1812, 0.2766, 0.4873

Protanopia

34.6148, 0.3946, 0.4290

Deuteranopia

34.5528, 0.4008, 0.3927



Tritanopia

35.0947, 0.2363, 0.3065

Trichromacy



Original Color

35.1812, 0.2766, 0.4873



Protanomaly

33.1962, 0.3369, 0.4566



Deuteranomaly

32.3879, 0.3397, 0.4289



Tritanomaly

34.8674, 0.2502, 0.3686

Monochromacy



Original Color

35.1812, 0.2766, 0.4873



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

25.3443, 0.2900, 0.3880

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1812, 0.2766, 0.4873 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(40, 183, 97)` looks like.

```
.text, #text, p{  
    color:rgb(40, 183, 97)  
}
```

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(40, 183, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 183, 97) }
```

Border

The CSS property to change the border of an element to Yxy 35.1812, 0.2766, 0.4873 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(40, 183, 97) }
```

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

```
.border{ border-color:rgb(40, 183, 97) }
```

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

Here you see how a box with a 4 pixel rgb(40, 183, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 183, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 183, 97);  
box-shadow:4px 4px 4px 4px rgb(40, 183,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1812, 0.2766, 0.4873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 183, 97) }
```

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

```
.background{ background-color: rgb(40, 183,  
97) }
```

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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