

Converting Colors

$Y_{xy}(50.6133, 0.2740, 0.4654)$

Have a look what the booklet for
Yxy(50.6133, 0.2740, 0.4654)
contains.

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Color

Yxy(50.6175, 0.2742, 0.4657)

Conversions

Conversions Part 1

Format	Color
Hex	3DD67F
RGB	61, 214, 127
RGB Percent	24%, 84%, 50%
CMY	0.7606, 0.1608, 0.5020
CMYK	0.71, 0.00, 0.41, 0.16
HSL	146°, 65%, 54%
HSV	146°, 71%, 84%
XYZ	29.8031, 50.6175, 28.2706
YIQ	158.3350, -63.2610, -59.4930

Conversions

Conversions Part 2

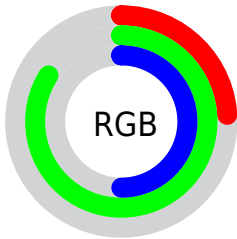
Format	Color
RYB	61, 168, 214
Decimal	4052607
CIELab	76.45, -58.79, 31.80
CIELCh	76, 66.840, 151.592
Yxy	50.6175, 0.2742, 0.4657
Android (android.graphics.Color)	4282242687 (0xFF3DD67F)
YUV	158.3350, -15.4482, -85.3628
Hunter-Lab	71.1460, -49.7316, 26.2427

Details

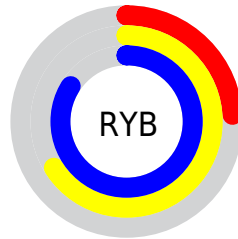
The Yxy color **50.6175, 0.2742, 0.4657** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **19.7806, 0.4110, 0.2339**, and the grayscale version is **34.4524, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4454, 0.2809, 0.4210**, and **24.9895, 0.2730, 0.5030** is the 20% darker color. If you saturate the color by 10%, you get **49.7714, 0.2743, 0.4877**, and if you desaturate by 10%, it is **51.7769, 0.2760, 0.4433**.

Distribution



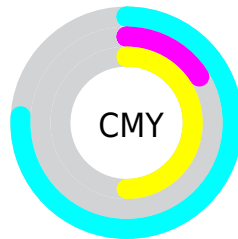
- Red (24%)
- Green (84%)
- Blue (50%)



- Red (24%)
- Yellow (66%)
- Blue (84%)



- Cyan (71%)
- Magenta (0%)
- Yellow (41%)
- Black (16%)





- Cyan (76%)
- Magenta (16%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.6175, 0.2742, 0.4657 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 50.6175, 0.2742, 0.4657 by changing the saturation by 10% instead.

 50.6175, 0.2742,
0.4657


 50.6175, 0.2742,
0.4657


389.0759, 0.2960,
0.3931


 35.9043, 0.2680,
0.4850


 91.0891, 0.2827,
0.4384


 24.3603, 0.2595,
0.5104


 117.6163, 0.2857,
0.4284

 15.6011, 0.2473,
0.5450


 148.8503, 0.2882,
0.4201

 9.2423, 0.2290,
0.5946

 185.1755, 0.2903,
0.4130

 4.8996, 0.1989,
0.6693

 226.9762, 0.2920,
0.4070

 2.1885, 0.1189,
0.8811

274.6369, 0.2935,

 0.7137, 0.0000,

0.4018

1.0000

328.5420, 0.2948,
0.3972

■ 0.0000, 0.0000,
0.0000

■ 50.6175, 0.2742,
0.4657

■ 50.6175, 0.2742,
0.4657

■ 49.7714, 0.2743,
0.4877

■ 51.7769, 0.2760,
0.4433

■ 49.1967, 0.2763,
0.5085

■ 53.2736, 0.2795,
0.4212


■ 48.8707, 0.2791,
0.5249


■ 55.1359, 0.2845,
0.4001


■ 57.3874, 0.2904,
0.3803

■ 60.0499, 0.2971,
0.3622

 63.1432, 0.3043,
0.3457

 66.6860, 0.3116,
0.3310

 70.6959, 0.3190,
0.3180

 75.1894, 0.3262,
0.3065

Harmonies

Analogous

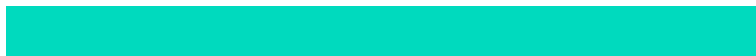
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.6175, 0.3588, 0.4974



50.6175, 0.2742, 0.4657



50.6175, 0.2048, 0.3738

Triad

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



50.6175, 0.2742, 0.4657



50.6175, 0.1899, 0.1970



50.6175, 0.4832, 0.3406

Complementary

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



50.6175, 0.2742, 0.4657



19.7806, 0.4110, 0.2339

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.



50.6175, 0.4245, 0.2805



50.6175, 0.2742, 0.4657



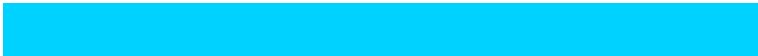
50.6175, 0.2474, 0.2022

Square

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



50.6175, 0.2742, 0.4657



50.6175, 0.1634, 0.2206



50.6175, 0.3328, 0.2317



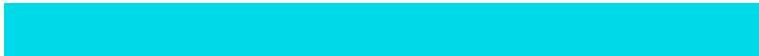
50.6175, 0.4844, 0.4048

Rectangle

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



50.6175, 0.2742, 0.4657



50.6175, 0.1761, 0.3081



50.6175, 0.3328, 0.2317



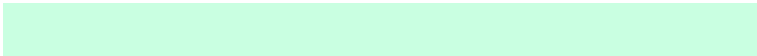
50.6175, 0.4696, 0.3198

Sweetspot

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



50.6196, 0.2742, 0.4657



89.4107, 0.2973, 0.3617



54.9415, 0.3556, 0.5207



18.8867, 0.2954, 0.3666



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



50.6196, 0.2742, 0.4657



73.5074, 0.2751, 0.4991



53.3169, 0.2379, 0.3470



13.9840, 0.3058, 0.3426



29.5588, 0.2784, 0.5222



1.7993, 0.2689, 0.4879

Inverse Universe

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



19.7806, 0.4110, 0.2339



25.0584, 0.4423, 0.2297



18.1317, 0.5365, 0.3176



12.5380, 0.3203, 0.3158



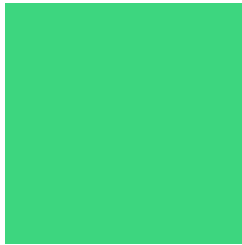
9.5081, 0.4658, 0.2340



0.5899, 0.4340, 0.2165

Previews

White Background



This preview shows how the Yxy color 50.6175, 0.2742, 0.4657 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 50.6175, 0.2742, 0.4657 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 50.6175, 0.2742, 0.4657

Background



This preview shows how black text looks on a background with the Yxy color 50.6175, 0.2742, 0.4657.



This preview shows how white text looks on a background with the Yxy color 50.6175, 0.2742, 0.4657.

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

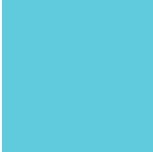
50.6175, 0.2742, 0.4657

Protanopia

49.6390, 0.3846, 0.4166

Deuteranopia

49.5191, 0.3895, 0.3811



Tritanopia

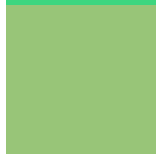
50.3660, 0.2372, 0.3056

Trichromacy



Original Color

50.6175, 0.2742, 0.4657



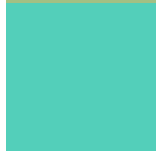
Protanomaly

47.9640, 0.3319, 0.4385



Deuteranomaly

47.1517, 0.3338, 0.4129



Tritanomaly

50.0098, 0.2499, 0.3597

Monochromacy



Original Color

50.6175, 0.2742, 0.4657



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

38.1583, 0.2908, 0.3780

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6175, 0.2742, 0.4657 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(61, 214, 127)` looks like.

```
.text, #text, p{  
    color:rgb(61, 214, 127)  
}
```

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(61, 214, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 214, 127) }
```

Border

The CSS property to change the border of an element to Yxy 50.6175, 0.2742, 0.4657 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(61, 214, 127) }
```

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

```
.border{ border-color:rgb(61, 214, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 214, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 214, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 214, 127);  
box-shadow:4px 4px 4px 4px rgb(61, 214,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6175, 0.2742, 0.4657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 214, 127) }
```

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

```
.background{ background-color: rgb(61, 214,  
127) }
```

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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