

Converting Colors

$Y_{xy}(50.6739, 0.2686, 0.4681)$

Have a look what the booklet for
Yxy(50.6739, 0.2686, 0.4681)
contains.

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Color

Yxy(50.6105, 0.2683, 0.4671)

Conversions

Conversions Part 1

Format	Color
Hex	28D780
RGB	40, 215, 128
RGB Percent	16%, 84%, 50%
CMY	0.8435, 0.1568, 0.4979
CMYK	0.81, 0.00, 0.40, 0.16
HSL	150°, 69%, 50%
HSV	150°, 81%, 84%
XYZ	29.0704, 50.6105, 28.6695
YIQ	152.7570, -76.3730, -64.1570

Conversions

Conversions Part 2

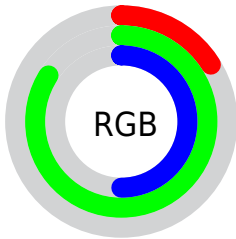
Format	Color
RYB	40, 156, 215
Decimal	2676608
CIELab	76.44, -61.58, 31.19
CIELCh	76, 69.030, 153.134
Yxy	50.6105, 0.2683, 0.4671
Android (android.graphics.Color)	4280866688 (0xFF28D780)
YUV	152.7570, -12.2052, -98.8879
Hunter-Lab	71.1411, -51.5562, 25.9051

Details

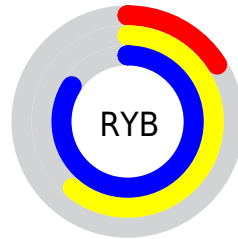
The Yxy color **50.6105, 0.2683, 0.4671** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **17.4879, 0.4542, 0.2436**, and the grayscale version is **31.8124, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6104, 0.2753, 0.4210**, and **25.3463, 0.2728, 0.5020** is the 20% darker color. If you saturate the color by 10%, you get **50.0292, 0.2699, 0.4860**, and if you desaturate by 10%, it is **51.4646, 0.2687, 0.4476**.

Distribution



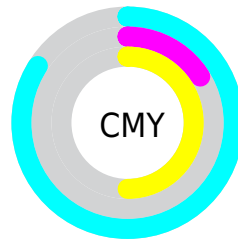
- Red (16%)
- Green (84%)
- Blue (50%)



- Red (16%)
- Yellow (61%)
- Blue (84%)



- Cyan (81%)
- Magenta (0%)
- Yellow (40%)
- Black (16%)





- Cyan (84%)
- Magenta (16%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.6105, 0.2683, 0.4671 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 50.6105, 0.2683, 0.4671 by changing the saturation by 10% instead.


 50.6105, 0.2683,
0.4671

 50.6105, 0.2683,
0.4671


389.0486, 0.2930,
0.3937

 35.8987, 0.2614,
0.4867


 91.0788, 0.2779,
0.4395


 24.3560, 0.2520,
0.5124


 117.6040, 0.2813,
0.4294

 15.5979, 0.2387,
0.5476


 148.8359, 0.2841,
0.4209

 9.2401, 0.2189,
0.5981

 185.1589, 0.2864,
0.4138

 4.8981, 0.1871,
0.6743

 226.9572, 0.2884,
0.4077

 2.1876, 0.0940,
0.9060

274.6153, 0.2902,

 0.7132, 0.0000,

0.4024

1.0000

328.5177, 0.2917,
0.3978

■ 0.0000, 0.0000,
0.0000

■ 50.6105, 0.2683,
0.4671

■ 50.6105, 0.2683,
0.4671

■ 50.0292, 0.2699,
0.4860

■ 51.4646, 0.2687,
0.4476

■ 49.6913, 0.2726,
0.5013

■ 52.6210, 0.2710,
0.4280

■ 54.1118, 0.2751,
0.4089

■ 55.9630, 0.2807,
0.3906

■ 58.1983, 0.2875,
0.3735

■ 60.8390, 0.2950,
0.3578

■ 63.9050, 0.3031,
0.3435

■ 67.4148, 0.3115,
0.3307

■ 71.3858, 0.3199,
0.3194

Harmonies

Analogous

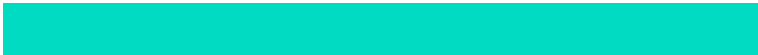
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.6105, 0.3549, 0.5033



50.6105, 0.2683, 0.4671



50.6105, 0.1987, 0.3696

Triad

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



50.6105, 0.2683, 0.4671



50.6105, 0.1888, 0.1931



50.6105, 0.4902, 0.3435

Complementary

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



50.6105, 0.2683, 0.4671



17.4879, 0.4542, 0.2436

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.



50.6105, 0.4324, 0.2819



50.6105, 0.2683, 0.4671



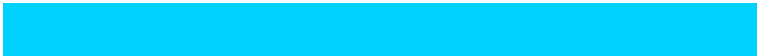
50.6105, 0.2493, 0.1999

Square

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



50.6105, 0.2683, 0.4671



50.6105, 0.1602, 0.2153



50.6105, 0.3383, 0.2313



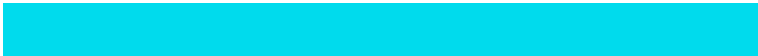
50.6105, 0.4877, 0.4093

Rectangle

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



50.6105, 0.2683, 0.4671



50.6105, 0.1706, 0.3022



50.6105, 0.3383, 0.2313



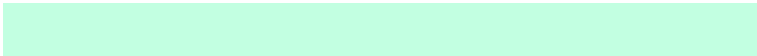
50.6105, 0.4772, 0.3223

Sweetspot

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



50.6125, 0.2683, 0.4671



88.3775, 0.2929, 0.3620



53.3034, 0.3442, 0.5477



18.6153, 0.2901, 0.3677



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.



50.6125, 0.2683, 0.4671



73.1883, 0.2723, 0.4994



53.9597, 0.2281, 0.3288



13.9992, 0.3048, 0.3408



29.7409, 0.2718, 0.4986



1.8105, 0.2631, 0.4671

Inverse Universe

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



17.4879, 0.4542, 0.2436



22.9616, 0.4968, 0.2520



16.1114, 0.5970, 0.3298



12.5226, 0.3214, 0.3175



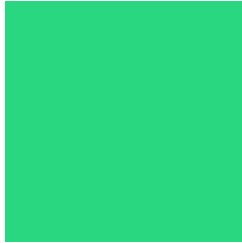
9.2947, 0.4961, 0.2507



0.5773, 0.4578, 0.2296

Previews

White Background



This preview shows how the Yxy color 50.6105, 0.2683, 0.4671 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 50.6105, 0.2683, 0.4671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

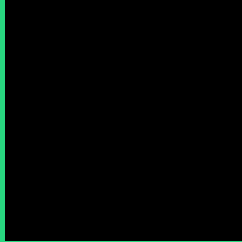
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.6105, 0.2683, 0.4671

Background



This preview shows how black text looks on a background with the Yxy color 50.6105, 0.2683, 0.4671.



This preview shows how white text looks on a background with the Yxy color 50.6105, 0.2683, 0.4671.

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

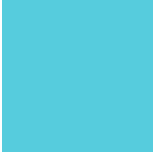
50.6105, 0.2683, 0.4671

Protanopia

49.6624, 0.3838, 0.4154

Deuteranopia

49.3899, 0.3877, 0.3801



Tritanopia

50.3846, 0.2333, 0.3054

Trichromacy



Original Color

50.6105, 0.2683, 0.4671



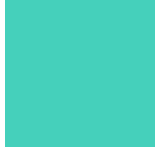
Protanomaly

47.2423, 0.3247, 0.4393



Deuteranomaly

46.3613, 0.3263, 0.4133



Tritanomaly

49.9648, 0.2448, 0.3599

Monochromacy



Original Color

50.6105, 0.2683, 0.4671



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

36.5090, 0.2845, 0.3813

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6105, 0.2683, 0.4671 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, 215, 128)` looks like.

```
.text, #text, p{  
  color:rgb(40, 215, 128)  
}
```

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, 215, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 215, 128) }
```

Border

The CSS property to change the border of an element to Yxy 50.6105, 0.2683, 0.4671 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, 215, 128) }
```

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

```
.border{ border-color:rgb(40, 215, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 215, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 215, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 215, 128);  
box-shadow:4px 4px 4px 4px rgb(40, 215,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6105, 0.2683, 0.4671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 215, 128) }
```

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

```
.background{ background-color: rgb(40, 215,  
128) }
```

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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