

Converting Colors

$Yxy(50.3460, 0.2760, 0.4181)$

Have a look what the booklet for
Yxy(50.3460, 0.2760, 0.4181)
contains.

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Color

Yxy(50.3443, 0.2760, 0.4181)

Conversions

Conversions Part 1

Format	Color
Hex	61D196
RGB	97, 209, 150
RGB Percent	38%, 82%, 59%
CMY	0.6198, 0.1804, 0.4116
CMYK	0.54, 0.00, 0.28, 0.18
HSL	148°, 55%, 60%
HSV	148°, 54%, 82%
XYZ	33.2337, 50.3443, 36.8341
YIQ	168.7860, -47.8130, -42.0930

Conversions

Conversions Part 2

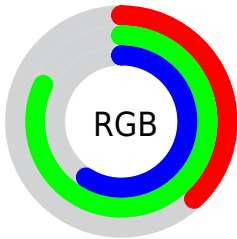
Format	Color
RYB	97, 173, 209
Decimal	6410646
CIELab	76.28, -45.51, 19.75
CIELCh	76, 49.609, 156.543
Yxy	50.3443, 0.2760, 0.4181
Android (android.graphics.Color)	4284600726 (0xFF61D196)
YUV	168.7860, -9.2615, -62.9563
Hunter-Lab	70.9537, -40.5621, 18.8885

Details

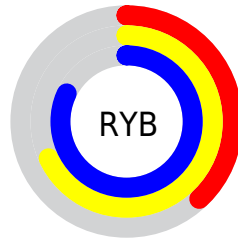
The Yxy color **50.3443, 0.2760, 0.4181** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **24.4954, 0.3837, 0.2571**, and the grayscale version is **39.6260, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8482, 0.2826, 0.3890**, and **24.3034, 0.2641, 0.4466** is the 20% darker color. If you saturate the color by 10%, you get **49.0081, 0.2725, 0.4385**, and if you desaturate by 10%, it is **52.0202, 0.2810, 0.3985**.

Distribution



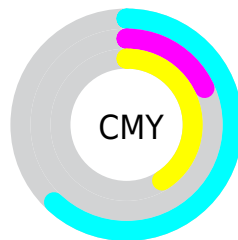
- Red (38%)
- Green (82%)
- Blue (59%)



- Red (38%)
- Yellow (68%)
- Blue (82%)



- Cyan (54%)
- Magenta (0%)
- Yellow (28%)
- Black (18%)




- Cyan (62%)
- Magenta (18%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.3443, 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 50.3443, 0.2760, 0.4181 by changing the saturation by 10% instead.


 50.3443, 0.2760,
0.4181


 50.3443, 0.2760,
0.4181


388.0108, 0.2953,
0.3716


 35.6870, 0.2709,
0.4303


 90.6848, 0.2832,
0.4008


 24.1926, 0.2641,
0.4463


 117.1368, 0.2859,
0.3944

 15.4765, 0.2548,
0.4681


 148.2892, 0.2881,
0.3891

 9.1545, 0.2413,
0.4996

 184.5264, 0.2900,
0.3845

 4.8421, 0.2201,
0.5484

226.2328, 0.2916,
0.3806

 2.1549, 0.1803,
0.6454

273.7927, 0.2930,

 0.6952, 0.0000,

0.3772

1.0000

327.5906, 0.2942,
0.3743

■ 0.0000, 0.0000,
0.0000

■ 50.3443, 0.2760,
0.4181

■ 50.3443, 0.2760,
0.4181

■ 49.0081, 0.2725,
0.4385

■ 52.0202, 0.2810,
0.3985

■ 47.9803, 0.2707,
0.4593

■ 54.0522, 0.2873,
0.3800

■ 47.2338, 0.2710,
0.4797

■ 56.4630, 0.2943,
0.3630

■ 46.7338, 0.2732,
0.4991

■ 59.2713, 0.3019,
0.3475

■ 46.5052, 0.2753,
0.5109

■ 62.4950, 0.3098,
0.3336

■ 66.1504, 0.3178,
0.3213

■ 70.2533, 0.3257,
0.3104

■ 73.0393, 0.3266,
0.3001

■ 73.7059, 0.3189,
0.2897

Harmonies

Analogous

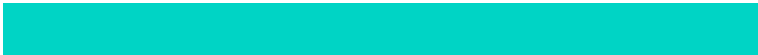
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.3443, 0.3408, 0.4520



50.3443, 0.2760, 0.4181



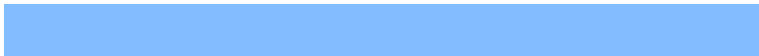
50.3443, 0.2244, 0.3511

Triad

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



50.3443, 0.2760, 0.4181



50.3443, 0.2234, 0.2253



50.3443, 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.



50.3443, 0.2760, 0.4181



24.4954, 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.



50.3443, 0.4057, 0.3006



50.3443, 0.2760, 0.4181



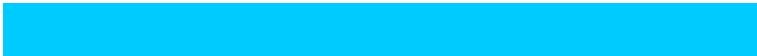
50.3443, 0.2736, 0.2322

Square

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



50.3443, 0.2760, 0.4181



50.3443, 0.1975, 0.2420



50.3443, 0.3406, 0.2589



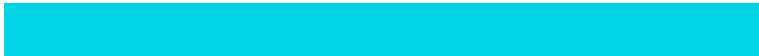
50.3443, 0.4405, 0.4007

Rectangle

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



50.3443, 0.2760, 0.4181



50.3443, 0.2034, 0.3052



50.3443, 0.3406, 0.2589



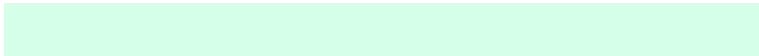
50.3443, 0.4352, 0.3334

Sweetspot

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



50.3463, 0.2760, 0.4181



91.7596, 0.2999, 0.3514



53.6061, 0.3465, 0.4786



19.4401, 0.2983, 0.3545



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.



50.3463, 0.2760, 0.4181



76.6537, 0.2722, 0.4409



52.5641, 0.2464, 0.3340



13.2982, 0.3052, 0.3415



28.6913, 0.2745, 0.5083



1.6202, 0.2648, 0.4734

Inverse Universe

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



24.4954, 0.3837, 0.2571



32.0816, 0.4066, 0.2459



23.0311, 0.4642, 0.3249



11.9107, 0.3209, 0.3168



9.0719, 0.4834, 0.2437



0.5232, 0.4456, 0.2228

Previews

White Background



This preview shows how the Yxy color 50.3443, 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 50.3443, 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 50.3443, 0.2760, 0.4181

Background



This preview shows how black text looks on a background with the Yxy color 50.3443, 0.2760, 0.4181.

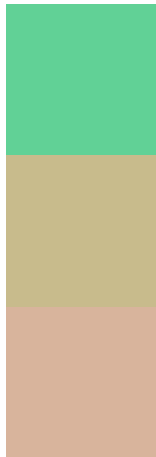


This preview shows how white text looks on a background with the Yxy color 50.3443, 0.2760, 0.4181.

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

50.3443, 0.2760, 0.4181

Protanopia

49.7135, 0.3619, 0.3884

Deuteranopia

49.6417, 0.3652, 0.3580



Tritanopia

50.0313, 0.2468, 0.3058

Trichromacy



Original Color

50.3443, 0.2760, 0.4181



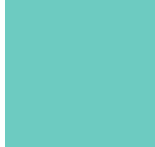
Protanomaly

48.8304, 0.3245, 0.3996



Deuteranomaly

48.4789, 0.3260, 0.3790



Tritanomaly

49.8133, 0.2568, 0.3431

Monochromacy



Original Color

50.3443, 0.2760, 0.4181



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

42.7293, 0.2958, 0.3612

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3443, 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(97, 209, 150)` looks like.

```
.text, #text, p{  
    color:rgb(97, 209, 150)  
}
```

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(97, 209, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 209, 150) }
```

Border

The CSS property to change the border of an element to Yxy 50.3443, 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(97, 209, 150) }
```

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

```
.border{ border-color:rgb(97, 209, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 209, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(97, 209, 150); -webkit-box-shadow:4px 4px 4px 4px rgb(97, 209, 150); box-shadow:4px 4px 4px 4px rgb(97, 209, 150) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3443, 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(97, 209, 150) }
```

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

```
.background{ background-color: rgb(97, 209,  
150) }
```

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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