

Converting Colors

$Yxy(46.0410, 0.2577, 0.4188)$

Have a look what the booklet for
Yxy(46.0410, 0.2577, 0.4188)
contains.

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Color

Yxy(46.0277, 0.2579, 0.4194)

Conversions

Conversions Part 1

Format	Color
Hex	33CC94
RGB	51, 204, 148
RGB Percent	20%, 80%, 58%
CMY	0.8000, 0.2000, 0.4195
CMYK	0.75, 0.00, 0.27, 0.20
HSL	158°, 60%, 50%
HSV	158°, 75%, 80%
XYZ	28.3036, 46.0277, 35.4152
YIQ	151.8690, -73.2120, -49.8520

Conversions

Conversions Part 2

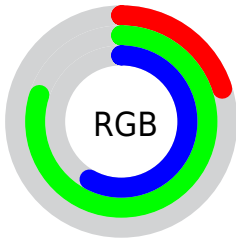
Format	Color
RYB	51, 145, 204
Decimal	3394708
CIELab	73.56, -52.16, 16.88
CIELCh	74, 54.821, 162.071
Yxy	46.0277, 0.2579, 0.4194
Android (android.graphics.Color)	4281584788 (0xFF33CC94)
YUV	151.8690, -1.9074, -88.4621
Hunter-Lab	67.8437, -44.2583, 16.5405

Details

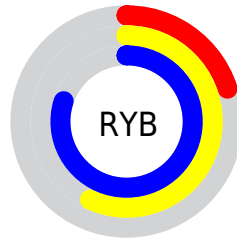
The Yxy color **46.0277, 0.2579, 0.4194** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **16.2655, 0.4748, 0.2687**, and the grayscale version is **31.3717, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7773, 0.2677, 0.3942**, and **22.3580, 0.2570, 0.4453** is the 20% darker color. If you saturate the color by 10%, you get **45.3821, 0.2572, 0.4336**, and if you desaturate by 10%, it is **46.9245, 0.2606, 0.4053**.

Distribution



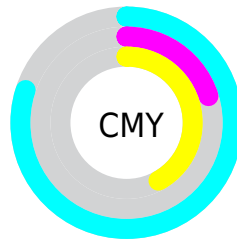
- Red (20%)
- Green (80%)
- Blue (58%)



- Red (20%)
- Yellow (57%)
- Blue (80%)



- Cyan (75%)
- Magenta (0%)
- Yellow (27%)
- Black (20%)



- Cyan (80%)
- Magenta (20%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0277, 0.2579, 0.4194 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 46.0277, 0.2579, 0.4194 by changing the saturation by 10% instead.


 46.0277, 0.2579,
0.4194


 46.0277, 0.2579,
0.4194

370.9200, 0.2865,
0.3716

 32.2677, 0.2504,
0.4322


 84.2605, 0.2685,
0.4014


 21.5660, 0.2406,
0.4491


 109.5020, 0.2725,
0.3948


 13.5384, 0.2272,
0.4725


 139.3395, 0.2757,
0.3893

 7.8003, 0.2080,
0.5068

 174.1573, 0.2785,
0.3847

 3.9674, 0.1784,
0.5612

 214.3399, 0.2809,
0.3807

 1.6554, 0.0680,
0.7311

260.2716, 0.2830,

 0.3945, 0.0000,

0.3773

1.0000

312.3368, 0.2849,
0.3742

■ 0.0000, 0.0000,
0.0000

■ 46.0277, 0.2579,
0.4194

■ 46.0277, 0.2579,
0.4194

■ 45.3821, 0.2572,
0.4336

■ 46.9245, 0.2606,
0.4053

■ 44.9490, 0.2585,
0.4475

■ 48.0942, 0.2652,
0.3914

■ 44.7820, 0.2596,
0.4544

■ 49.5623, 0.2715,
0.3781

■ 51.3498, 0.2792,
0.3656

■ 53.4757, 0.2880,
0.3539

■ 55.9576, 0.2976,
0.3432

■ 58.8116, 0.3076,
0.3335

■ 62.0531, 0.3179,
0.3248

■ 65.6963, 0.3282,
0.3170

Harmonies

Analogous

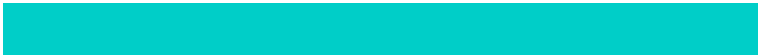
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.0277, 0.3292, 0.4675



46.0277, 0.2579, 0.4194



46.0277, 0.2053, 0.3382

Triad

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



46.0277, 0.2579, 0.4194



46.0277, 0.2208, 0.2128



46.0277, 0.4642, 0.3616

Complementary

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



46.0277, 0.2579, 0.4194



16.2655, 0.4748, 0.2687

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.



46.0277, 0.4296, 0.3060



46.0277, 0.2579, 0.4194



46.0277, 0.2809, 0.2250

Square

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



46.0277, 0.2579, 0.4194



46.0277, 0.1873, 0.2253



46.0277, 0.3586, 0.2580



46.0277, 0.4509, 0.4172

Rectangle

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



46.0277, 0.2579, 0.4194



46.0277, 0.1862, 0.2878



46.0277, 0.3586, 0.2580



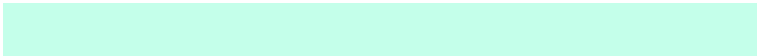
46.0277, 0.4580, 0.3427

Sweetspot

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



46.0295, 0.2579, 0.4194



89.2169, 0.2896, 0.3520



46.5579, 0.3308, 0.5449



18.7981, 0.2862, 0.3561



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.



46.0295, 0.2579, 0.4194



74.6744, 0.2578, 0.4422



39.1789, 0.2227, 0.2976



12.6547, 0.3031, 0.3376



28.2037, 0.2590, 0.4525



1.4693, 0.2515, 0.4254

Inverse Universe

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



16.2655, 0.4748, 0.2687



23.0912, 0.5272, 0.2743



17.6330, 0.5503, 0.3493



11.2804, 0.3234, 0.3205



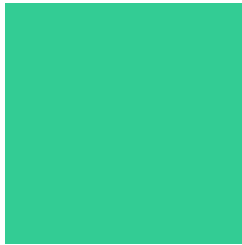
8.4131, 0.5495, 0.2801



0.4485, 0.4956, 0.2504

Previews

White Background



This preview shows how the Yxy color 46.0277, 0.2579, 0.4194 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 46.0277, 0.2579, 0.4194 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 46.0277, 0.2579, 0.4194

Background



This preview shows how black text looks on a background with the Yxy color 46.0277, 0.2579, 0.4194.

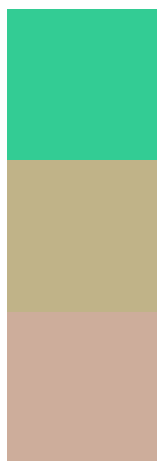


This preview shows how white text looks on a background with the Yxy color 46.0277, 0.2579, 0.4194.

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

46.0277, 0.2579, 0.4194

Protanopia

45.2242, 0.3606, 0.3855

Deuteranopia

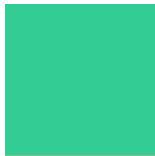
45.2328, 0.3580, 0.3518



Tritanopia

46.0272, 0.2333, 0.3059

Trichromacy



Original Color

46.0277, 0.2579, 0.4194



Protanomaly

43.5226, 0.3102, 0.4005



Deuteranomaly

42.9375, 0.3080, 0.3757



Tritanomaly

45.8606, 0.2415, 0.3439

Monochromacy



Original Color

46.0277, 0.2579, 0.4194



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

35.0050, 0.2811, 0.3615

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0277, 0.2579, 0.4194 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(51, 204, 148)` looks like.

```
.text, #text, p{  
    color:rgb(51, 204, 148)  
}
```

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(51, 204, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 204, 148) }
```

Border

The CSS property to change the border of an element to Yxy 46.0277, 0.2579, 0.4194 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(51, 204, 148) }
```

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

```
.border{ border-color:rgb(51, 204, 148) }
```

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

Here you see how a box with a 4 pixel rgb(51, 204, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 204, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 204, 148);  
box-shadow:4px 4px 4px 4px rgb(51, 204,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0277, 0.2579, 0.4194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 204, 148) }
```

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

```
.background{ background-color: rgb(51, 204,  
148) }
```

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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