

Converting Colors

$Y_{xy}(59.9802, 0.2577, 0.4477)$

Have a look what the booklet for
Yxy(59.9802, 0.2577, 0.4477)
contains.

Yxy(59.9802, 0.2577, 0.4477)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(59.9802, 0.2577, 0.4477)

Conversions

Conversions Part 1

Format	Color
Hex	00E898
RGB	0, 232, 152
RGB Percent	0%, 91%, 60%
CMY	0.9998, 0.0902, 0.4039
CMYK	1.00, 0.00, 0.34, 0.09
HSL	159°, 100%, 45%
HSV	159°, 100%, 91%
XYZ	34.5251, 59.9802, 39.4688
YIQ	153.5120, -112.5920, -74.0640

Conversions

Conversions Part 2

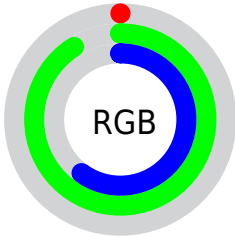
Format	Color
RYB	0, 140, 232
Decimal	59544
CIELab	81.83, -64.92, 26.07
CIELCh	82, 69.953, 158.123
Yxy	59.9802, 0.2577, 0.4477
Android (android.graphics.Color)	4278249624 (0xFF00E898)
YUV	153.5120, -0.7454, -134.6300
Hunter-Lab	77.4469, -55.9584, 23.9972

Details

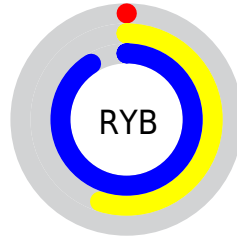
The Yxy color **59.9802, 0.2577, 0.4477** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **17.7370, 0.5633, 0.2877**, and the grayscale version is **32.1380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2762, 0.2613, 0.3884**, and **31.5800, 0.2654, 0.4754** is the 20% darker color. If you saturate the color by 10%, you get **59.9817, 0.2577, 0.4477**, and if you desaturate by 10%, it is **60.4385, 0.2557, 0.4346**.

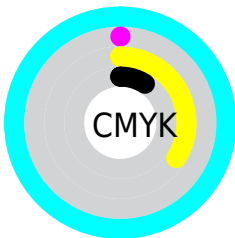
Distribution



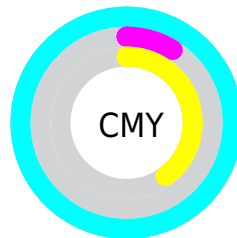
- Red (0%)
- Green (91%)
- Blue (60%)



- Red (0%)
- Yellow (55%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (9%)





- Cyan (100%)
- Magenta (9%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.9802, 0.2577, 0.4477 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 59.9802, 0.2577, 0.4477 by changing the saturation by 10% instead.

 59.9802, 0.2577,
0.4477


 59.9802, 0.2577,
0.4477


424.5248, 0.2860,
0.3867

 43.4027, 0.2505,
0.4633

 104.8009, 0.2681,
0.4252


 30.2012, 0.2411,
0.4835


 133.8130, 0.2720,
0.4168


 19.9913, 0.2285,
0.5106


 167.7386, 0.2753,
0.4098

 12.3888, 0.2109,
0.5485

 206.9622, 0.2781,
0.4038

 7.0090, 0.1848,
0.6046

 251.8683, 0.2805,
0.3986

 3.4677, 0.1427,
0.6951

302.8411, 0.2825,

 1.3805, 0.0000,

0.3941

1.0000

360.2652, 0.2844,
0.3902

■ 0.2023, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.9802, 0.2577,
0.4477

■ 59.9802, 0.2577,
0.4477

■ 59.9817, 0.2577,
0.4477

■ 60.4385, 0.2557,
0.4346

■ 61.1338, 0.2555,
0.4213

■ 62.1390, 0.2573,
0.4079

■ 63.4954, 0.2611,
0.3946

■ 65.2376, 0.2667,
0.3818

■ 67.3961, 0.2740,
0.3695

■ 69.9982, 0.2825,
0.3580

■ 73.0688, 0.2920,
0.3474

■ 76.6310, 0.3022,
0.3377

Harmonies

Analogous

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



59.9802, 0.3402, 0.4950



59.9802, 0.2577, 0.4477



59.9802, 0.1949, 0.3513

Triad

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



59.9802, 0.2577, 0.4477



59.9802, 0.2008, 0.1970



59.9802, 0.4867, 0.3544

Complementary

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



59.9802, 0.2577, 0.4477



17.7370, 0.5633, 0.2877

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.



59.9802, 0.4401, 0.2934



59.9802, 0.2577, 0.4477



59.9802, 0.2646, 0.2077

Square

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



59.9802, 0.2577, 0.4477



59.9802, 0.1678, 0.2138



59.9802, 0.3531, 0.2418



59.9802, 0.4758, 0.4182

Rectangle

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



59.9802, 0.2577, 0.4477



59.9802, 0.1713, 0.2897



59.9802, 0.3531, 0.2418



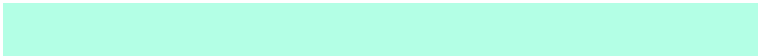
59.9802, 0.4774, 0.3335

Sweetspot

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



59.9826, 0.2577, 0.4477



86.6801, 0.2824, 0.3582



59.4745, 0.3179, 0.5858



18.2467, 0.2786, 0.3630



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.



59.9826, 0.2577, 0.4477



74.3124, 0.2579, 0.4484



45.8543, 0.2111, 0.2799



16.2475, 0.3027, 0.3372



33.3232, 0.2571, 0.4456



2.4798, 0.2518, 0.4265

Inverse Universe

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



17.7370, 0.5633, 0.2877



21.9635, 0.5646, 0.2884



18.3491, 0.6275, 0.3399



14.4496, 0.3238, 0.3209



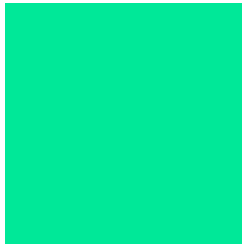
9.8672, 0.5591, 0.2854



0.7461, 0.5183, 0.2629

Previews

White Background



This preview shows how the Yxy color 59.9802, 0.2577, 0.4477 looks on a white background.

Color Contrast Check

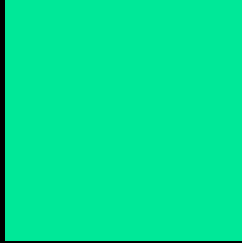
Large Text (above 18pt) WCAG AA × Fail

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 59.9802, 0.2577, 0.4477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

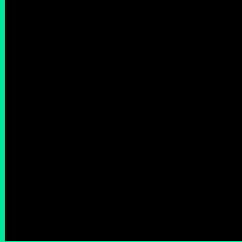
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.9802, 0.2577, 0.4477

Background



This preview shows how black text looks on a background with the Yxy color 59.9802, 0.2577, 0.4477.



This preview shows how white text looks on a background with the Yxy color 59.9802, 0.2577, 0.4477.

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

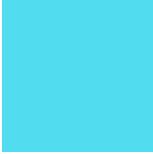
59.9802, 0.2577, 0.4477

Protanopia

58.5428, 0.3734, 0.4014

Deuteranopia

58.8189, 0.3732, 0.3660



Tritanopia

59.6942, 0.2295, 0.3056

Trichromacy



Original Color

59.9802, 0.2577, 0.4477



Protanomaly

54.5896, 0.3049, 0.4243



Deuteranomaly

54.0644, 0.3038, 0.3976



Tritanomaly

59.0855, 0.2371, 0.3537

Monochromacy



Original Color

59.9802, 0.2577, 0.4477



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

38.3525, 0.2699, 0.3762

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.9802, 0.2577, 0.4477 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(0, 232, 152)` looks like.

```
.text, #text, p{  
    color:rgb(0, 232, 152)  
}
```

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(0, 232, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 232, 152) }
```

Border

The CSS property to change the border of an element to Yxy 59.9802, 0.2577, 0.4477 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(0, 232, 152) }
```

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

```
.border{ border-color:rgb(0, 232, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 232, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 232, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 232, 152);  
box-shadow:4px 4px 4px 4px rgb(0, 232,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 59.9802, 0.2577, 0.4477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 232, 152) }
```

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

```
.background{ background-color: rgb(0, 232,  
152) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor