

Converting Colors

Yxy(62.9214, 0.2592, 0.4531)

Have a look what the booklet for
Yxy(62.9214, 0.2592, 0.4531)
contains.

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Color

Yxy(62.8354, 0.2592, 0.4529)

Conversions

Conversions Part 1

Format	Color
Hex	01ED98
RGB	1, 237, 152
RGB Percent	0%, 93%, 60%
CMY	0.9961, 0.0706, 0.4039
CMYK	1.00, 0.00, 0.36, 0.07
HSL	158°, 99%, 47%
HSV	158°, 100%, 93%
XYZ	35.9614, 62.8354, 39.9433
YIQ	156.7460, -113.3710, -76.4670

Conversions

Conversions Part 2

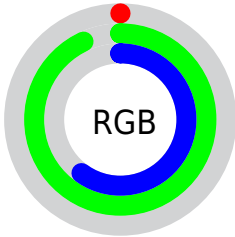
Format	Color
RYB	1, 145, 237
Decimal	126360
CIELab	83.36, -66.62, 28.13
CIELCh	83, 72.319, 157.109
Yxy	62.8354, 0.2592, 0.4529
Android (android.graphics.Color)	4278316440 (0xFF01ED98)
YUV	156.7460, -2.3398, -136.5892
Hunter-Lab	79.2688, -57.7412, 25.6121

Details

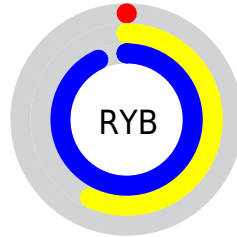
The Yxy color **62.8354, 0.2592, 0.4529** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **18.6965, 0.5565, 0.2842**, and the grayscale version is **33.6440, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4045, 0.2620, 0.3883**, and **33.5626, 0.2670, 0.4813** is the 20% darker color. If you saturate the color by 10%, you get **62.8197, 0.2593, 0.4535**, and if you desaturate by 10%, it is **63.3241, 0.2571, 0.4392**.

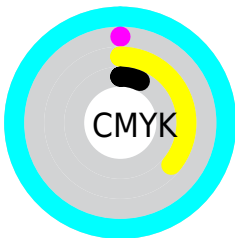
Distribution



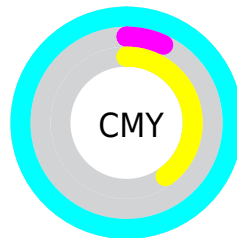
- Red (0%)
- Green (93%)
- Blue (60%)



- Red (0%)
- Yellow (57%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (36%)
- Black (7%)




- Cyan (100%)
- Magenta (7%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.8354, 0.2592, 0.4529 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 62.8354, 0.2592, 0.4529 by changing the saturation by 10% instead.


 62.8354, 0.2592,
0.4529

 62.8354, 0.2592,
0.4529


434.9719, 0.2868,
0.3895


 45.7081, 0.2521,
0.4690

 108.9320, 0.2694,
0.4296

 32.0155, 0.2430,
0.4897


 138.6701, 0.2731,
0.4210


 21.3733, 0.2308,
0.5173


 173.3805, 0.2763,
0.4137

 13.3972, 0.2137,
0.5557

 213.4477, 0.2790,
0.4074

 7.7026, 0.1884,
0.6118

 259.2560, 0.2814,
0.4020

 3.9053, 0.1488,
0.6992

311.1899, 0.2834,

 1.6207, 0.0000,

0.3973

1.0000

369.6337, 0.2852,
0.3932

■ 0.3715, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.8354, 0.2592,
0.4529

■ 62.8354, 0.2592,
0.4529

■ 62.8197, 0.2593,
0.4535

■ 63.3241, 0.2571,
0.4392

■ 64.0697, 0.2568,
0.4253

■ 65.1444, 0.2585,
0.4112

■ 66.5913, 0.2623,
0.3973

■ 68.4469, 0.2679,
0.3838

■ 70.7432, 0.2750,
0.3709

■ 73.5089, 0.2834,
0.3589

■ 76.7702, 0.2928,
0.3478

■ 80.5513, 0.3028,
0.3377

Harmonies

Analogous

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



62.8354, 0.3432, 0.4984



62.8354, 0.2592, 0.4529



62.8354, 0.1946, 0.3550

Triad

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



62.8354, 0.2592, 0.4529



62.8354, 0.1974, 0.1952



62.8354, 0.4890, 0.3522

Complementary

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



62.8354, 0.2592, 0.4529



18.6965, 0.5565, 0.2842

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.



62.8354, 0.4398, 0.2907



62.8354, 0.2592, 0.4529



62.8354, 0.2610, 0.2053

Square

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



62.8354, 0.2592, 0.4529



62.8354, 0.1652, 0.2131



62.8354, 0.3505, 0.2390



62.8354, 0.4795, 0.4169

Rectangle

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



62.8354, 0.2592, 0.4529



62.8354, 0.1700, 0.2916



62.8354, 0.3505, 0.2390



62.8354, 0.4790, 0.3311

Sweetspot

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



62.8379, 0.2592, 0.4529



86.6153, 0.2829, 0.3595



62.6181, 0.3197, 0.5842



18.2313, 0.2793, 0.3645



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

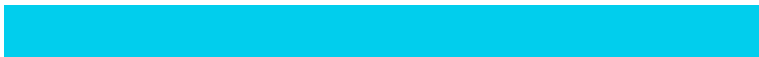
The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.8379, 0.2592, 0.4529



74.1707, 0.2594, 0.4540



50.0355, 0.2128, 0.2858



17.0245, 0.3029, 0.3376



34.3257, 0.2587, 0.4512



2.7137, 0.2534, 0.4322

Inverse Universe

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



18.6965, 0.5565, 0.2842



22.0296, 0.5587, 0.2852



19.0637, 0.6291, 0.3382



15.1437, 0.3236, 0.3205



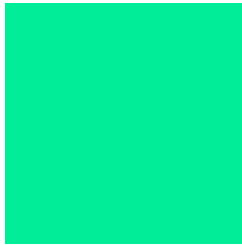
10.2137, 0.5534, 0.2822



0.8199, 0.5152, 0.2612

Previews

White Background



This preview shows how the Yxy color 62.8354, 0.2592, 0.4529 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 62.8354, 0.2592, 0.4529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

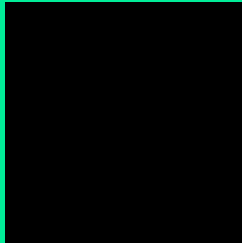
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.8354, 0.2592, 0.4529

Background



This preview shows how black text looks on a background with the Yxy color 62.8354, 0.2592, 0.4529.

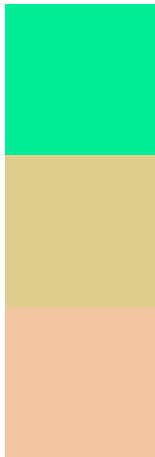


This preview shows how white text looks on a background with the Yxy color 62.8354, 0.2592, 0.4529.

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

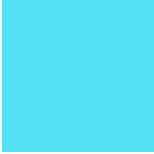
62.8418, 0.2592, 0.4529

Protanopia

61.6947, 0.3756, 0.4054

Deuteranopia

61.6621, 0.3770, 0.3695



Tritanopia

62.8092, 0.2299, 0.3061

Trichromacy



Original Color

62.8418, 0.2592, 0.4529



Protanomaly

57.3901, 0.3067, 0.4293



Deuteranomaly

56.4256, 0.3065, 0.4018



Tritanomaly

62.0810, 0.2375, 0.3546

Monochromacy



Original Color

62.8418, 0.2592, 0.4529



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

40.1937, 0.2706, 0.3785

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.8354, 0.2592, 0.4529 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(1, 237, 152)` looks like.

```
.text, #text, p{  
    color:rgb(1, 237, 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(1, 237, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 237, 152) }
```

Border

The CSS property to change the border of an element to Yxy 62.8354, 0.2592, 0.4529 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(1, 237, 152) }
```

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

```
.border{ border-color:rgb(1, 237, 152) }
```

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

Here you see how a box with a 4 pixel rgb(1, 237, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 237, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 237, 152);  
box-shadow:4px 4px 4px 4px rgb(1, 237,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 62.8354, 0.2592, 0.4529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 237, 152) }
```

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

```
.background{ background-color: rgb(1, 237,  
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](#).

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