

Converting Colors

$Y_{xy}(62.4865, 0.2653, 0.4749)$

Have a look what the booklet for
Yxy(62.4865, 0.2653, 0.4749)
contains.

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Color

Yxy(62.4098, 0.2652, 0.4744)

Conversions

Conversions Part 1

Format	Color
Hex	01ED8A
RGB	1, 237, 138
RGB Percent	0%, 93%, 54%
CMY	0.9945, 0.0706, 0.4588
CMYK	0.99, 0.00, 0.42, 0.07
HSL	155°, 99%, 47%
HSV	155°, 99%, 93%
XYZ	34.8884, 62.4098, 34.2570
YIQ	155.1500, -108.8770, -80.8210

Conversions

Conversions Part 2

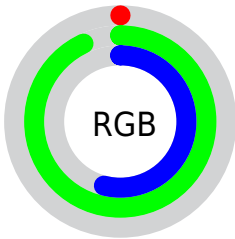
Format	Color
RYB	1, 150, 237
Decimal	126346
CIELab	83.13, -69.29, 34.89
CIELCh	83, 77.575, 153.274
Yxy	62.4098, 0.2652, 0.4744
Android (android.graphics.Color)	4278316426 (0xFF01ED8A)
YUV	155.1500, -8.4550, -135.1895
Hunter-Lab	78.9999, -59.4194, 29.5898

Details

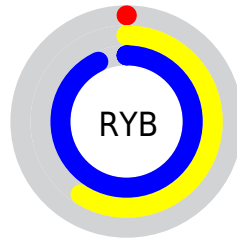
The Yxy color **62.4098, 0.2652, 0.4744** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **18.9625, 0.5317, 0.2706**, and the grayscale version is **32.9794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7053, 0.2687, 0.4081**, and **32.9283, 0.2736, 0.5050** is the 20% darker color. If you saturate the color by 10%, you get **62.3862, 0.2654, 0.4753**, and if you desaturate by 10%, it is **62.9131, 0.2626, 0.4586**.

Distribution



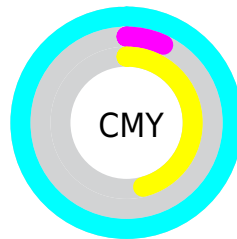
- Red (0%)
- Green (93%)
- Blue (54%)



- Red (0%)
- Yellow (59%)
- Blue (93%)



- Cyan (99%)
- Magenta (0%)
- Yellow (42%)
- Black (7%)





- Cyan (99%)
- Magenta (7%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.4098, 0.2652, 0.4744 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 62.4098, 0.2652, 0.4744 by changing the saturation by 10% instead.


 62.4098, 0.2652,
0.4744


 62.4098, 0.2652,
0.4744


433.4243, 0.2908,
0.3994

 45.3639, 0.2583,
0.4935

 108.3176, 0.2749,
0.4468

 31.7442, 0.2492,
0.5182


 137.9483, 0.2784,
0.4365

 21.1662, 0.2367,
0.5510


 172.5427, 0.2814,
0.4279

 13.2455, 0.2188,
0.5964

 212.4852, 0.2839,
0.4205

 7.5978, 0.1916,
0.6618

 258.1602, 0.2860,
0.4141

 3.8387, 0.1506,
0.7786

309.9522, 0.2878,

 1.5837, 0.0000,

0.4086

1.0000

368.2454, 0.2894,
0.4037

■ 0.3466, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.4098, 0.2652,
0.4744

■ 62.4098, 0.2652,
0.4744

■ 62.3862, 0.2654,
0.4753

■ 62.9131, 0.2626,
0.4586

■ 63.6821, 0.2618,
0.4422

■ 64.7879, 0.2631,
0.4256

■ 66.2738, 0.2664,
0.4092

■ 68.1763, 0.2715,
0.3932

■ 70.5276, 0.2781,
0.3780

■ 73.3566, 0.2859,
0.3639

■ 76.6896, 0.2945,
0.3508

■ 80.5510, 0.3038,
0.3390

Harmonies

Analogous

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



62.4098, 0.3551, 0.5118



62.4098, 0.2652, 0.4744



62.4098, 0.1934, 0.3707

Triad

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



62.4098, 0.2652, 0.4744



62.4098, 0.1842, 0.1879



62.4098, 0.4985, 0.3432

Complementary

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



62.4098, 0.2652, 0.4744



18.9625, 0.5317, 0.2706

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.



62.4098, 0.4385, 0.2799



62.4098, 0.2652, 0.4744



62.4098, 0.2467, 0.1952

Square

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



62.4098, 0.2652, 0.4744



62.4098, 0.1547, 0.2101



62.4098, 0.3396, 0.2276



62.4098, 0.4946, 0.4112

Rectangle

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



62.4098, 0.2652, 0.4744



62.4098, 0.1648, 0.2998



62.4098, 0.3396, 0.2276



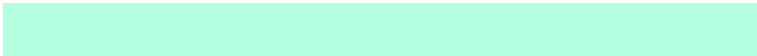
62.4098, 0.4852, 0.3214

Sweetspot

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



62.4123, 0.2652, 0.4744



86.3643, 0.2853, 0.3648



63.4838, 0.3273, 0.5780



18.1715, 0.2819, 0.3707



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.



62.4123, 0.2652, 0.4744



73.6538, 0.2655, 0.4759



57.9911, 0.2189, 0.3079



17.0086, 0.3037, 0.3391



34.0877, 0.2647, 0.4728



2.6958, 0.2585, 0.4507

Inverse Universe

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



18.9625, 0.5317, 0.2706



22.3244, 0.5343, 0.2717



18.4118, 0.6355, 0.3330



15.1591, 0.3227, 0.3191



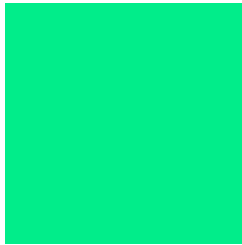
10.3525, 0.5292, 0.2689



0.8317, 0.4935, 0.2493

Previews

White Background



This preview shows how the Yxy color 62.4098, 0.2652, 0.4744 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 62.4098, 0.2652, 0.4744 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 62.4098, 0.2652, 0.4744

Background



This preview shows how black text looks on a background with the Yxy color 62.4098, 0.2652, 0.4744.

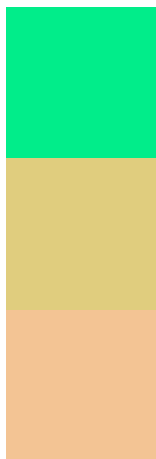


This preview shows how white text looks on a background with the Yxy color 62.4098, 0.2652, 0.4744.

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

62.4098, 0.2652, 0.4744

Protanopia

61.0163, 0.3861, 0.4182

Deuteranopia

60.6727, 0.3898, 0.3812



Tritanopia

62.3477, 0.2309, 0.3060

Trichromacy



Original Color

62.4098, 0.2652, 0.4744



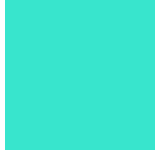
Protanomaly

57.0771, 0.3156, 0.4485



Deuteranomaly

55.5707, 0.3162, 0.4200



Tritanomaly

61.2872, 0.2401, 0.3618

Monochromacy



Original Color

62.4098, 0.2652, 0.4744



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

39.5205, 0.2736, 0.3873

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.4098, 0.2652, 0.4744 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, 138)` looks like.

```
.text, #text, p{  
    color:rgb(1, 237, 138)  
}
```

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, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 237, 138) }
```

Border

The CSS property to change the border of an element to Yxy 62.4098, 0.2652, 0.4744 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, 138) }
```

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

```
.border{ border-color:rgb(1, 237, 138) }
```

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, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 237, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 237, 138);  
box-shadow:4px 4px 4px 4px rgb(1, 237,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 62.4098, 0.2652, 0.4744 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, 138) }
```

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

```
.background{ background-color: rgb(1, 237,  
138) }
```

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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