

Converting Colors

$Yxy(62.4270, 0.2567, 0.4441)$

Have a look what the booklet for
Yxy(62.4270, 0.2567, 0.4441)
contains.

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Color

Yxy(62.4252, 0.2567, 0.4441)

Conversions

Conversions Part 1

Format	Color
Hex	00EC9D
RGB	0, 236, 157
RGB Percent	0%, 93%, 62%
CMY	0.9998, 0.0745, 0.3842
CMYK	1.00, 0.00, 0.33, 0.07
HSL	160°, 100%, 46%
HSV	160°, 100%, 93%
XYZ	36.0832, 62.4252, 42.0572
YIQ	156.4300, -115.2970, -74.6010

Conversions

Conversions Part 2

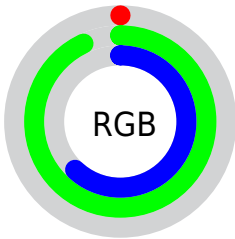
Format	Color
RYB	0, 142, 236
Decimal	60573
CIELab	83.14, -65.28, 25.27
CIELCh	83, 70.004, 158.835
Yxy	62.4252, 0.2567, 0.4441
Android (android.graphics.Color)	4278250653 (0xFF00EC9D)
YUV	156.4300, 0.2810, -137.1891
Hunter-Lab	79.0096, -56.7470, 23.7464

Details

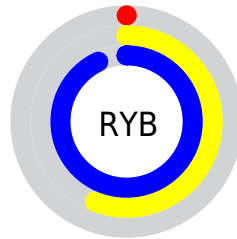
The Yxy color **62.4252, 0.2567, 0.4441** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **18.3991, 0.5674, 0.2899**, and the grayscale version is **33.4938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5885, 0.2594, 0.3818**, and **33.2601, 0.2640, 0.4702** is the 20% darker color. If you saturate the color by 10%, you get **62.4268, 0.2567, 0.4441**, and if you desaturate by 10%, it is **62.8959, 0.2548, 0.4314**.

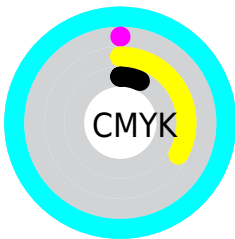
Distribution



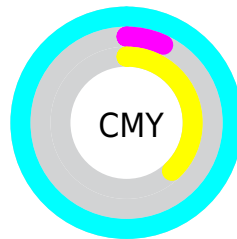
- Red (0%)
- Green (93%)
- Blue (62%)



- Red (0%)
- Yellow (56%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (7%)





- Cyan (100%)
- Magenta (7%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.4252, 0.2567, 0.4441 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 62.4252, 0.2567, 0.4441 by changing the saturation by 10% instead.

 62.4252, 0.2567,
0.4441

 62.4252, 0.2567,
0.4441


433.4804, 0.2852,
0.3854


 45.3764, 0.2495,
0.4590


 108.3398, 0.2671,
0.4226


 31.7540, 0.2403,
0.4781


 137.9744, 0.2710,
0.4145


 21.1737, 0.2280,
0.5037


 172.5730, 0.2743,
0.4078

 13.2510, 0.2110,
0.5392

 212.5201, 0.2771,
0.4020

 7.6016, 0.1861,
0.5914

 258.1999, 0.2795,
0.3970

 3.8411, 0.1474,
0.6732

309.9970, 0.2816,

 1.5851, 0.0000,

0.3926

1.0000

368.2957, 0.2835,
0.3888

■ 0.3475, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.4252, 0.2567,
0.4441

■ 62.4252, 0.2567,
0.4441

■ 62.4268, 0.2567,
0.4441

■ 62.8959, 0.2548,
0.4314

■ 63.6127, 0.2546,
0.4185

■ 64.6509, 0.2565,
0.4055

■ 66.0534, 0.2604,
0.3926

67.8565, 0.2661,
0.3802

70.0918, 0.2735,
0.3683

72.7879, 0.2821,
0.3572

75.9707, 0.2917,
0.3469

79.6642, 0.3020,
0.3375

Harmonies

Analogous

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



62.4252, 0.3382, 0.4925



62.4252, 0.2567, 0.4441



62.4252, 0.1952, 0.3488

Triad

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



62.4252, 0.2567, 0.4441



62.4252, 0.2031, 0.1983



62.4252, 0.4850, 0.3559

Complementary

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



62.4252, 0.2567, 0.4441



18.3991, 0.5674, 0.2899

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.



62.4252, 0.4402, 0.2953



62.4252, 0.2567, 0.4441



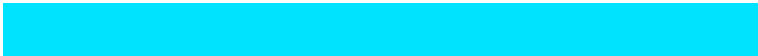
62.4252, 0.2670, 0.2095

Square

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



62.4252, 0.2567, 0.4441



62.4252, 0.1697, 0.2144



62.4252, 0.3549, 0.2437



62.4252, 0.4732, 0.4190

Rectangle

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



62.4252, 0.2567, 0.4441



62.4252, 0.1722, 0.2884



62.4252, 0.3549, 0.2437



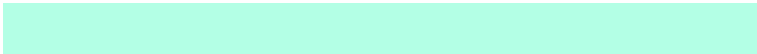
62.4252, 0.4763, 0.3351

Sweetspot

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



62.4277, 0.2567, 0.4441



86.7235, 0.2820, 0.3573



61.8145, 0.3178, 0.5859



18.2571, 0.2782, 0.3619



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.



62.4277, 0.2567, 0.4441



74.4091, 0.2568, 0.4446



47.6478, 0.2111, 0.2799



17.0312, 0.3026, 0.3370



34.4352, 0.2561, 0.4421



2.7217, 0.2512, 0.4244

Inverse Universe

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



18.3991, 0.5674, 0.2899



21.9214, 0.5685, 0.2905



19.0615, 0.6276, 0.3398



15.1372, 0.3240, 0.3211



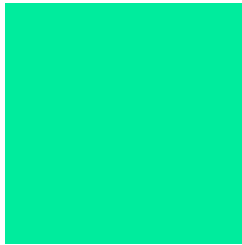
10.1624, 0.5632, 0.2876



0.8153, 0.5243, 0.2662

Previews

White Background



This preview shows how the Yxy color 62.4252, 0.2567, 0.4441 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 62.4252, 0.2567, 0.4441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

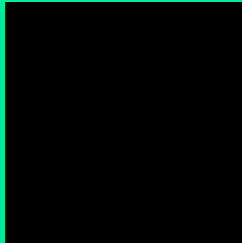
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

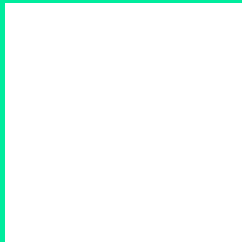
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 62.4252, 0.2567, 0.4441

Background



This preview shows how black text looks on a background with the Yxy color 62.4252, 0.2567, 0.4441.

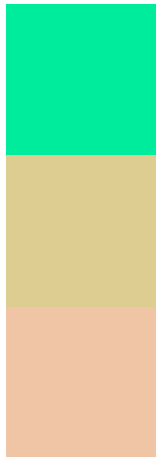


This preview shows how white text looks on a background with the Yxy color 62.4252, 0.2567, 0.4441.

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

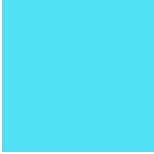
62.4252, 0.2567, 0.4441

Protanopia

61.2059, 0.3715, 0.3990

Deuteranopia

61.0364, 0.3716, 0.3632



Tritanopia

62.1759, 0.2290, 0.3047

Trichromacy



Original Color

62.4252, 0.2567, 0.4441



Protanomaly

56.9444, 0.3031, 0.4213



Deuteranomaly

55.9083, 0.3019, 0.3939



Tritanomaly

61.5222, 0.2363, 0.3519

Monochromacy



Original Color

62.4252, 0.2567, 0.4441



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

39.7509, 0.2692, 0.3755

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.4252, 0.2567, 0.4441 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, 236, 157)` looks like.

```
.text, #text, p{  
    color:rgb(0, 236, 157)  
}
```

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, 236, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 236, 157) }
```

Border

The CSS property to change the border of an element to Yxy 62.4252, 0.2567, 0.4441 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, 236, 157) }
```

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

```
.border{ border-color:rgb(0, 236, 157) }
```

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

Here you see how a box with a 4 pixel rgb(0, 236, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 236, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 236, 157);  
box-shadow:4px 4px 4px 4px rgb(0, 236,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 62.4252, 0.2567, 0.4441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 236, 157) }
```

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

```
.background{ background-color: rgb(0, 236,  
157) }
```

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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