

Converting Colors

$Y_{xy}(58.5775, 0.2120, 0.4044)$

Have a look what the booklet for
Yxy(58.5775, 0.2120, 0.4044)
contains.

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Color

Yxy(62.3484, 0.2440, 0.3985)

Conversions

Conversions Part 1

Format	Color
Hex	00EAB9
RGB	0, 234, 185
RGB Percent	0%, 92%, 73%
CMY	1.0000, 0.0823, 0.2744
CMYK	1.00, 0.00, 0.21, 0.08
HSL	167°, 100%, 46%
HSV	167°, 100%, 92%
XYZ	38.1757, 62.3484, 55.9336
YIQ	158.4480, -123.7350, -64.8470

Conversions

Conversions Part 2

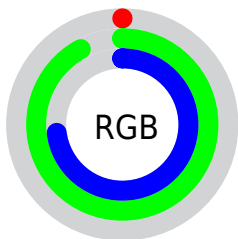
Format	Color
RYB	0, 131, 234
Decimal	60089
CIELab	83.10, -58.24, 10.68
CIELCh	83, 59.210, 169.607
Yxy	62.3484, 0.2440, 0.3985
Android (android.graphics.Color)	4278250169 (0xFF00EAB9)
YUV	158.4480, 13.0901, -138.9589
Hunter-Lab	78.9610, -51.8814, 13.2734

Details

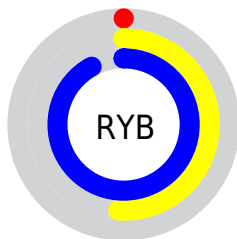
The Yxy color **62.3484, 0.2440, 0.3985** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed spring green. A complement of this color would be **17.7156, 0.6082, 0.3124**, and the grayscale version is **34.3912, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2504, 0.2473, 0.3453**, and **33.1102, 0.2481, 0.4130** is the 20% darker color. If you saturate the color by 10%, you get **62.3547, 0.2440, 0.3985**, and if you desaturate by 10%, it is **62.7522, 0.2434, 0.3909**.

Distribution



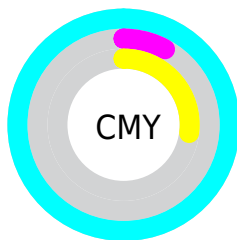
- Red (0%)
- Green (92%)
- Blue (73%)



- Red (0%)
- Yellow (51%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (8%)




- Cyan (100%)
- Magenta (8%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.3484, 0.2440, 0.3985 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 62.3484, 0.2440, 0.3985 by changing the saturation by 10% instead.


 62.3484, 0.2440,
0.3985

 62.3484, 0.2440,
0.3985


433.2008, 0.2771,
0.3641

 45.3143, 0.2361,
0.4069


 108.2289, 0.2557,
0.3861


 31.7050, 0.2263,
0.4176


 137.8441, 0.2602,
0.3814


 21.1363, 0.2136,
0.4317


 172.4217, 0.2640,
0.3775

 13.2237, 0.1967,
0.4510

 212.3462, 0.2674,
0.3740

 7.5828, 0.1733,
0.4788

 258.0020, 0.2703,
0.3711

 3.8291, 0.1391,
0.5221

309.7734, 0.2728,

 1.5785, 0.0000,

0.3685

0.6548

368.0449, 0.2751,
0.3662

■ 0.3430, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.3484, 0.2440,
0.3985

■ 62.3484, 0.2440,
0.3985

■ 62.3547, 0.2440,
0.3985

■ 62.7522, 0.2434,
0.3909

■ 63.3826, 0.2443,
0.3831

■ 64.3176, 0.2472,
0.3754

■ 65.5991, 0.2521,
0.3677

67.2622, 0.2589,
0.3603

69.3379, 0.2674,
0.3531

71.8539, 0.2773,
0.3464

74.8352, 0.2883,
0.3401

78.3054, 0.3002,
0.3343

Harmonies

Analogous

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



62.3484, 0.3109, 0.4571



62.3484, 0.2440, 0.3985



62.3484, 0.1990, 0.3186

Triad

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



62.3484, 0.2440, 0.3985



62.3484, 0.2353, 0.2160



62.3484, 0.4617, 0.3753

Complementary

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



62.3484, 0.2440, 0.3985



17.7156, 0.6082, 0.3124

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.



62.3484, 0.4395, 0.3200



62.3484, 0.2440, 0.3985



62.3484, 0.2998, 0.2334

Square

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



62.3484, 0.2440, 0.3985



62.3484, 0.1955, 0.2219



62.3484, 0.3769, 0.2702



62.3484, 0.4383, 0.4282

Rectangle

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



62.3484, 0.2440, 0.3985



62.3484, 0.1851, 0.2733



62.3484, 0.3769, 0.2702



62.3484, 0.4597, 0.3567

Sweetspot

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



62.3547, 0.2440, 0.3985



87.2754, 0.2771, 0.3465



59.5470, 0.3072, 0.5943



18.3896, 0.2728, 0.3493



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.



62.3547, 0.2440, 0.3985



75.7663, 0.2441, 0.3988



33.8381, 0.1979, 0.2326



17.0647, 0.3009, 0.3340



35.0558, 0.2437, 0.3973



2.7663, 0.2407, 0.3867

Inverse Universe

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



17.7156, 0.6082, 0.3124



21.5205, 0.6091, 0.3129



21.4259, 0.6027, 0.3597



15.1056, 0.3260, 0.3241



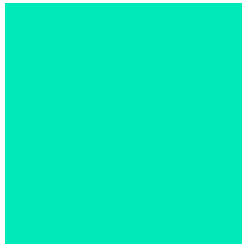
9.9691, 0.6046, 0.3105



0.7965, 0.5669, 0.2896

Previews

White Background



This preview shows how the Yxy color 62.3484, 0.2440, 0.3985 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 62.3484, 0.2440, 0.3985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

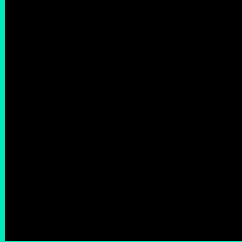
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.3484, 0.2440, 0.3985

Background



This preview shows how black text looks on a background with the Yxy color 62.3484, 0.2440, 0.3985.



This preview shows how white text looks on a background with the Yxy color 62.3484, 0.2440, 0.3985.

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

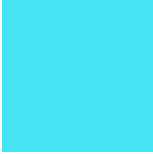
62.3484, 0.2440, 0.3985

Protanopia

61.3166, 0.3479, 0.3697

Deuteranopia

61.0614, 0.3423, 0.3347



Tritanopia

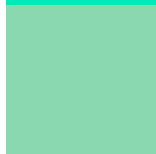
62.2640, 0.2266, 0.3059

Trichromacy



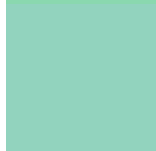
Original Color

62.3484, 0.2440, 0.3985



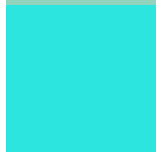
Protanomaly

57.6102, 0.2855, 0.3846



Deuteranomaly

56.4172, 0.2811, 0.3568



Tritanomaly

61.9242, 0.2307, 0.3368

Monochromacy



Original Color

62.3484, 0.2440, 0.3985



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

40.7117, 0.2630, 0.3570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.3484, 0.2440, 0.3985 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, 234, 185)` looks like.

```
.text, #text, p{  
    color:rgb(0, 234, 185)  
}
```

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, 234, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 234, 185) }
```

Border

The CSS property to change the border of an element to Yxy 62.3484, 0.2440, 0.3985 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, 234, 185) }
```

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

```
.border{ border-color:rgb(0, 234, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 234, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 234, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 234, 185);  
box-shadow:4px 4px 4px 4px rgb(0, 234,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 62.3484, 0.2440, 0.3985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 234, 185) }
```

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

```
.background{ background-color: rgb(0, 234,  
185) }
```

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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