

Converting Colors

$Yxy(55.0415, 0.1985, 0.3976)$

Have a look what the booklet for
Yxy(55.0415, 0.1985, 0.3976)
contains.

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Color

Yxy(60.1815, 0.2418, 0.3905)

Conversions

Conversions Part 1

Format	Color
Hex	00E6BB
RGB	0, 230, 187
RGB Percent	0%, 90%, 73%
CMY	1.0000, 0.0980, 0.2666
CMYK	1.00, 0.00, 0.19, 0.10
HSL	169°, 100%, 45%
HSV	169°, 100%, 90%
XYZ	37.2648, 60.1815, 56.6677
YIQ	156.3280, -123.2770, -62.1330

Conversions

Conversions Part 2

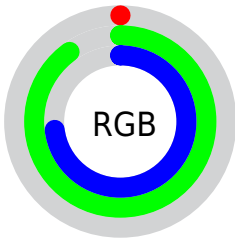
Format	Color
RYB	0, 127, 230
Decimal	59067
CIELab	81.94, -56.19, 7.98
CIELCh	82, 56.754, 171.916
Yxy	60.1815, 0.2418, 0.3905
Android (android.graphics.Color)	4278249147 (0xFF00E6BB)
YUV	156.3280, 15.1213, -137.0997
Hunter-Lab	77.5767, -50.0150, 10.9940

Details

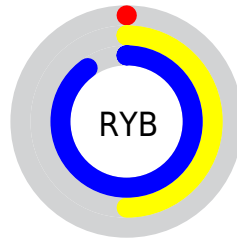
The Yxy color **60.1815, 0.2418, 0.3905** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed spring green. A complement of this color would be **16.9984, 0.6136, 0.3154**, and the grayscale version is **33.3739, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3061, 0.2462, 0.3429**, and **31.6084, 0.2452, 0.4027** is the 20% darker color. If you saturate the color by 10%, you get **60.1850, 0.2418, 0.3905**, and if you desaturate by 10%, it is **60.5541, 0.2414, 0.3838**.

Distribution



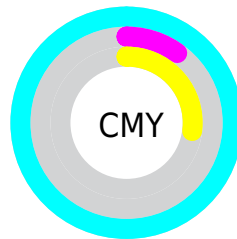
- Red (0%)
- Green (90%)
- Blue (73%)



- Red (0%)
- Yellow (50%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (10%)





- Cyan (100%)
- Magenta (10%)
- Yellow (27%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 60.1815, 0.2418, 0.3905 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 60.1815, 0.2418, 0.3905 by changing the saturation by 10% instead.


 60.1815, 0.2418,
0.3905


 60.1815, 0.2418,
0.3905


 425.2665, 0.2759,
0.3602


 43.5649, 0.2337,
0.3979


 105.0929, 0.2539,
0.3796

 30.3286, 0.2236,
0.4073


 134.1566, 0.2585,
0.3755


 20.0882, 0.2105,
0.4197


 168.1380, 0.2625,
0.3720

 12.4591, 0.1932,
0.4366

 207.4217, 0.2659,
0.3689

 7.0572, 0.1691,
0.4609

 252.3920, 0.2689,
0.3663

 3.4979, 0.1340,
0.4986

 303.4333, 0.2715,

 1.3969, 0.0000,

0.3640

0.6133

360.9300, 0.2738,
0.3620

■ 0.2144, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.1815, 0.2418,
0.3905

■ 60.1815, 0.2418,
0.3905

■ 60.1850, 0.2418,
0.3905

■ 60.5541, 0.2414,
0.3838

■ 61.1453, 0.2426,
0.3770

■ 62.0279, 0.2457,
0.3701

■ 63.2418, 0.2507,
0.3634

■ 64.8209, 0.2577,
0.3568

■ 66.7947, 0.2663,
0.3504

■ 69.1896, 0.2765,
0.3444

■ 72.0299, 0.2878,
0.3389

■ 75.3379, 0.2999,
0.3337

Harmonies

Analogous

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



60.1815, 0.3058, 0.4501



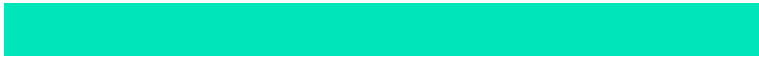
60.1815, 0.2418, 0.3905



60.1815, 0.1998, 0.3135

Triad

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



60.1815, 0.2418, 0.3905



60.1815, 0.2415, 0.2194



60.1815, 0.4572, 0.3788

Complementary

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



60.1815, 0.2418, 0.3905



16.9984, 0.6136, 0.3154

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.



60.1815, 0.4390, 0.3246



60.1815, 0.2418, 0.3905



60.1815, 0.3059, 0.2380

Square

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



60.1815, 0.2418, 0.3905



60.1815, 0.2006, 0.2235



60.1815, 0.3806, 0.2752



60.1815, 0.4317, 0.4294

Rectangle

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



60.1815, 0.2418, 0.3905



60.1815, 0.1876, 0.2709



60.1815, 0.3806, 0.2752



60.1815, 0.4563, 0.3606

Sweetspot

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



60.1850, 0.2418, 0.3905



87.3771, 0.2763, 0.3445



57.1778, 0.3062, 0.5951



18.4141, 0.2718, 0.3470



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.



60.1850, 0.2418, 0.3905



76.0410, 0.2419, 0.3909



31.2047, 0.1963, 0.2266



16.2877, 0.3006, 0.3334



34.0884, 0.2415, 0.3894



2.5310, 0.2388, 0.3795

Inverse Universe

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



16.9984, 0.6136, 0.3154



21.4707, 0.6147, 0.3160



21.0804, 0.5985, 0.3630



14.4118, 0.3263, 0.3246



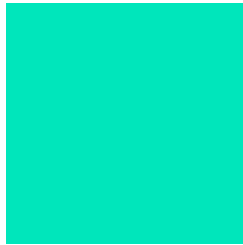
9.6361, 0.6103, 0.3136



0.7247, 0.5713, 0.2921

Previews

White Background



This preview shows how the Yxy color 60.1815, 0.2418, 0.3905 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 60.1815, 0.2418, 0.3905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

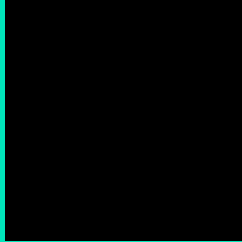
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

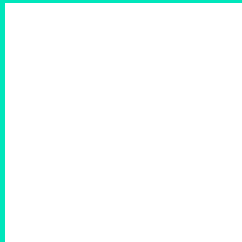
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 60.1815, 0.2418, 0.3905

Background



This preview shows how black text looks on a background with the Yxy color 60.1815, 0.2418, 0.3905.

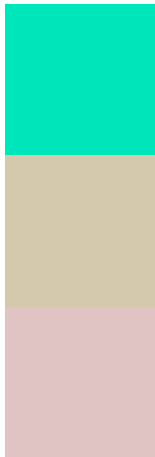


This preview shows how white text looks on a background with the Yxy color 60.1815, 0.2418, 0.3905.

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

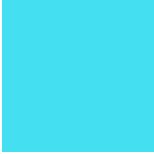
60.1815, 0.2418, 0.3905

Protanopia

58.7489, 0.3432, 0.3634

Deuteranopia

58.8176, 0.3363, 0.3291



Tritanopia

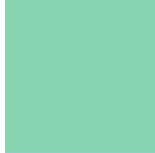
60.3552, 0.2260, 0.3056

Trichromacy



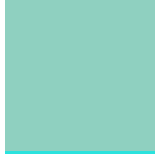
Original Color

60.1815, 0.2418, 0.3905



Protanomaly

55.4122, 0.2821, 0.3770



Deuteranomaly

54.7572, 0.2776, 0.3503



Tritanomaly

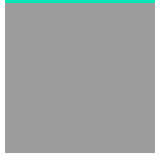
60.1268, 0.2301, 0.3355

Monochromacy



Original Color

60.1815, 0.2418, 0.3905



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

39.3096, 0.2618, 0.3542

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.1815, 0.2418, 0.3905 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, 230, 187)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 187)  
}
```

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, 230, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 187) }
```

Border

The CSS property to change the border of an element to Yxy 60.1815, 0.2418, 0.3905 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, 230, 187) }
```

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

```
.border{ border-color:rgb(0, 230, 187) }
```

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

Here you see how a box with a 4 pixel rgb(0, 230, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 187);  
box-shadow:4px 4px 4px 4px rgb(0, 230,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 60.1815, 0.2418, 0.3905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 230, 187) }
```

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

```
.background{ background-color: rgb(0, 230,  
187) }
```

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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