

Converting Colors

$Yxy(63.4265, 0.2422, 0.3919)$

Have a look what the booklet for
Yxy(63.4265, 0.2422, 0.3919)
contains.

Yxy(63.1782, 0.2419, 0.3907)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(63.1782, 0.2419, 0.3907)

Conversions

Conversions Part 1

Format	Color
Hex	01EBBF
RGB	1, 235, 191
RGB Percent	0%, 92%, 75%
CMY	0.9973, 0.0784, 0.2511
CMYK	1.00, 0.00, 0.19, 0.08
HSL	169°, 99%, 46%
HSV	169°, 100%, 92%
XYZ	39.1165, 63.1782, 59.4105
YIQ	160.0180, -125.3400, -63.2920

Conversions

Conversions Part 2

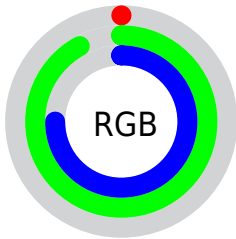
Format	Color
RYB	1, 130, 235
Decimal	125887
CIELab	83.54, -57.12, 8.18
CIELCh	84, 57.703, 171.846
Yxy	63.1782, 0.2419, 0.3907
Android (android.graphics.Color)	4278315967 (0xFF01EBBF)
YUV	160.0180, 15.2741, -139.4588
Hunter-Lab	79.4847, -51.2538, 11.3233

Details

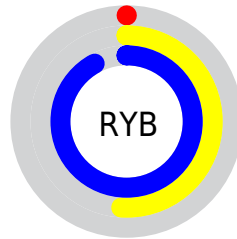
The Yxy color **63.1782, 0.2419, 0.3907** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed spring green. A complement of this color would be **17.8643, 0.6129, 0.3152**, and the grayscale version is **35.0886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6801, 0.2452, 0.3381**, and **33.6758, 0.2452, 0.4026** is the 20% darker color. If you saturate the color by 10%, you get **63.1703, 0.2419, 0.3909**, and if you desaturate by 10%, it is **63.5701, 0.2415, 0.3839**.

Distribution



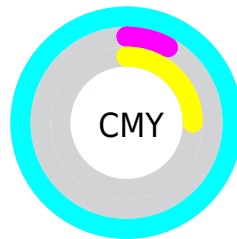
- Red (0%)
- Green (92%)
- Blue (75%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (8%)




- Cyan (100%)
- Magenta (8%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.1782, 0.2419, 0.3907 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 63.1782, 0.2419, 0.3907 by changing the saturation by 10% instead.


 63.1782, 0.2419,
0.3907


 63.1782, 0.2419,
0.3907

436.2159, 0.2757,
0.3605


 45.9854, 0.2340,
0.3980


 109.4266, 0.2538,
0.3799


 32.2343, 0.2241,
0.4073


 139.2509, 0.2584,
0.3758


 21.5405, 0.2114,
0.4193


 174.0545, 0.2623,
0.3723

 13.5197, 0.1946,
0.4357

 214.2218, 0.2657,
0.3693

 7.7874, 0.1715,
0.4591

 260.1372, 0.2687,
0.3667

 3.9592, 0.1382,
0.4948

312.1851, 0.2713,

 1.6508, 0.0109,

0.3644

0.6017

370.7499, 0.2736,
0.3623

■ 0.3915, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.1782, 0.2419,
0.3907

■ 63.1782, 0.2419,
0.3907

■ 63.1703, 0.2419,
0.3909

■ 63.5701, 0.2415,
0.3839

■ 64.1978, 0.2427,
0.3771

■ 65.1330, 0.2458,
0.3702

■ 66.4179, 0.2509,
0.3634

■ 68.0878, 0.2579,
0.3568

■ 70.1738, 0.2666,
0.3504

■ 72.7038, 0.2768,
0.3444

■ 75.7032, 0.2881,
0.3388

■ 79.1954, 0.3003,
0.3336

Harmonies

Analogous

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



63.1782, 0.3060, 0.4502



63.1782, 0.2419, 0.3907



63.1782, 0.1998, 0.3137

Triad

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



63.1782, 0.2419, 0.3907



63.1782, 0.2413, 0.2193



63.1782, 0.4573, 0.3786

Complementary

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



63.1782, 0.2419, 0.3907



17.8643, 0.6129, 0.3152

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.



63.1782, 0.4389, 0.3245



63.1782, 0.2419, 0.3907



63.1782, 0.3057, 0.2379

Square

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



63.1782, 0.2419, 0.3907



63.1782, 0.2005, 0.2235



63.1782, 0.3804, 0.2751



63.1782, 0.4319, 0.4293

Rectangle

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



63.1782, 0.2419, 0.3907



63.1782, 0.1876, 0.2710



63.1782, 0.3804, 0.2751



63.1782, 0.4563, 0.3605

Sweetspot

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



63.1806, 0.2419, 0.3907



87.3729, 0.2763, 0.3446



60.0347, 0.3063, 0.5949



18.4131, 0.2719, 0.3471



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.



63.1806, 0.2419, 0.3907



76.0295, 0.2420, 0.3912



32.8078, 0.1964, 0.2268



17.0705, 0.3006, 0.3335



35.1758, 0.2416, 0.3898



2.7747, 0.2390, 0.3804

Inverse Universe

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



17.8643, 0.6129, 0.3152



21.4726, 0.6145, 0.3159



22.1685, 0.5980, 0.3631



15.1003, 0.3263, 0.3246



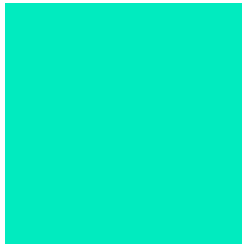
9.9454, 0.6103, 0.3136



0.7939, 0.5736, 0.2933

Previews

White Background



This preview shows how the Yxy color 63.1782, 0.2419, 0.3907 looks on a white background.

Color Contrast Check

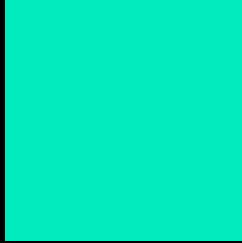
Large Text (above 18pt) WCAG AA × Fail

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 63.1782, 0.2419, 0.3907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

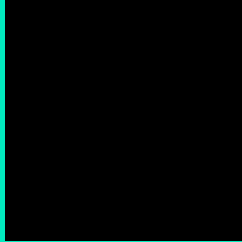
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

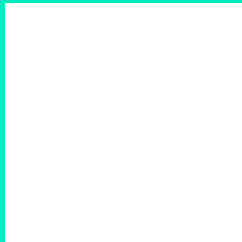
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.1782, 0.2419, 0.3907

Background



This preview shows how black text looks on a background with the Yxy color 63.1782, 0.2419, 0.3907.



This preview shows how white text looks on a background with the Yxy color 63.1782, 0.2419, 0.3907.

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

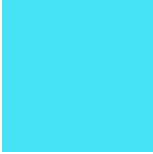
63.1847, 0.2419, 0.3907

Protanopia

62.0289, 0.3432, 0.3638

Deuteranopia

61.6284, 0.3366, 0.3291



Tritanopia

62.8941, 0.2259, 0.3047

Trichromacy



Original Color

63.1847, 0.2419, 0.3907



Protanomaly

58.3652, 0.2821, 0.3773



Deuteranomaly

57.1835, 0.2776, 0.3499



Tritanomaly

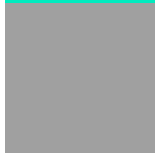
62.6425, 0.2299, 0.3341

Monochromacy



Original Color

63.1847, 0.2419, 0.3907



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

41.3057, 0.2620, 0.3537

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.1782, 0.2419, 0.3907 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, 235, 191)` looks like.

```
.text, #text, p{  
    color:rgb(1, 235, 191)  
}
```

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, 235, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 235, 191) }
```

Border

The CSS property to change the border of an element to Yxy 63.1782, 0.2419, 0.3907 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, 235, 191) }
```

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

```
.border{ border-color:rgb(1, 235, 191) }
```

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

Here you see how a box with a 4 pixel rgb(1, 235, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 235, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 235, 191);  
box-shadow:4px 4px 4px 4px rgb(1, 235,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 63.1782, 0.2419, 0.3907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 235, 191) }
```

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

```
.background{ background-color: rgb(1, 235,  
191) }
```

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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