

Converting Colors

$Yxy(60.2134, 0.2550, 0.4381)$

Have a look what the booklet for
Yxy(60.2134, 0.2550, 0.4381)
contains.

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Color

Yxy(60.1818, 0.2551, 0.4382)

Conversions

Conversions Part 1

Format	Color
Hex	01E89E
RGB	1, 232, 158
RGB Percent	0%, 91%, 62%
CMY	0.9972, 0.0902, 0.3803
CMYK	1.00, 0.00, 0.32, 0.09
HSL	161°, 99%, 46%
HSV	161°, 100%, 91%
XYZ	35.0351, 60.1818, 42.1218
YIQ	154.4950, -113.9220, -71.9860

Conversions

Conversions Part 2

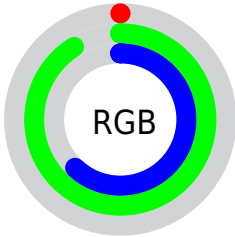
Format	Color
RYB	1, 139, 232
Decimal	125086
CIELab	81.94, -63.64, 23.13
CIELCh	82, 67.712, 160.028
Yxy	60.1818, 0.2551, 0.4382
Android (android.graphics.Color)	4278315166 (0xFF01E89E)
YUV	154.4950, 1.7280, -134.6151
Hunter-Lab	77.5769, -55.1459, 22.1113

Details

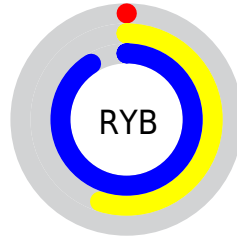
The Yxy color **60.1818, 0.2551, 0.4382** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as dark washed spring green. A complement of this color would be **17.6740, 0.5718, 0.2926**, and the grayscale version is **32.5315, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6391, 0.2590, 0.3805**, and **31.7006, 0.2620, 0.4632** is the 20% darker color. If you saturate the color by 10%, you get **60.1719, 0.2552, 0.4386**, and if you desaturate by 10%, it is **60.6360, 0.2534, 0.4261**.

Distribution



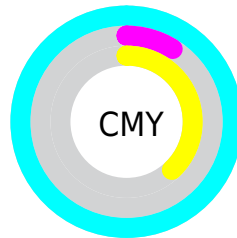
- Red (0%)
- Green (91%)
- Blue (62%)



- Red (0%)
- Yellow (55%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (32%)
- Black (9%)





- Cyan (100%)
- Magenta (9%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.1818, 0.2551, 0.4382 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 60.1818, 0.2551, 0.4382 by changing the saturation by 10% instead.

 60.1818, 0.2551,
0.4382


 60.1818, 0.2551,
0.4382


425.2676, 0.2843,
0.3823


 43.5652, 0.2478,
0.4524


 105.0933, 0.2658,
0.4177

 30.3288, 0.2383,
0.4708


 134.1571, 0.2698,
0.4100


 20.0883, 0.2258,
0.4954


 168.1386, 0.2731,
0.4036

 12.4593, 0.2084,
0.5298

 207.4224, 0.2760,
0.3981

 7.0573, 0.1829,
0.5808

 252.3928, 0.2785,
0.3933

 3.4979, 0.1429,
0.6623

303.4342, 0.2807,

 1.3969, 0.0000,

0.3892

1.0000

360.9310, 0.2826,
0.3856

■ 0.2144, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.1818, 0.2551,
0.4382

■ 60.1818, 0.2551,
0.4382

■ 60.1719, 0.2552,
0.4386

■ 60.6360, 0.2534,
0.4261

■ 61.3288, 0.2534,
0.4138

■ 62.3304, 0.2555,
0.4014

■ 63.6817, 0.2596,
0.3892

■ 65.4172, 0.2655,
0.3774

■ 67.5672, 0.2730,
0.3661

■ 70.1587, 0.2818,
0.3556

■ 73.2167, 0.2916,
0.3458

■ 76.7641, 0.3021,
0.3368

Harmonies

Analogous

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



60.1818, 0.3348, 0.4883



60.1818, 0.2551, 0.4382



60.1818, 0.1956, 0.3447

Triad

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



60.1818, 0.2551, 0.4382



60.1818, 0.2070, 0.2005



60.1818, 0.4822, 0.3584

Complementary

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



60.1818, 0.2551, 0.4382



17.6740, 0.5718, 0.2926

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.



60.1818, 0.4403, 0.2983



60.1818, 0.2551, 0.4382



60.1818, 0.2711, 0.2124

Square

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



60.1818, 0.2551, 0.4382



60.1818, 0.1728, 0.2153



60.1818, 0.3577, 0.2470



60.1818, 0.4689, 0.4204

Rectangle

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



60.1818, 0.2551, 0.4382



60.1818, 0.1738, 0.2864



60.1818, 0.3577, 0.2470



60.1818, 0.4743, 0.3378

Sweetspot

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



60.1842, 0.2551, 0.4382



86.7872, 0.2814, 0.3560



59.3234, 0.3164, 0.5868



18.2723, 0.2775, 0.3604



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.



60.1842, 0.2551, 0.4382



74.5539, 0.2553, 0.4392



44.1682, 0.2096, 0.2743



16.2538, 0.3024, 0.3366



33.4305, 0.2546, 0.4366



2.4871, 0.2497, 0.4189

Inverse Universe

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



17.6740, 0.5718, 0.2926



21.8626, 0.5740, 0.2936



18.6242, 0.6246, 0.3420



14.4436, 0.3242, 0.3215



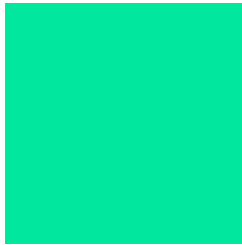
9.8206, 0.5685, 0.2905



0.7422, 0.5271, 0.2677

Previews

White Background



This preview shows how the Yxy color 60.1818, 0.2551, 0.4382 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 60.1818, 0.2551, 0.4382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

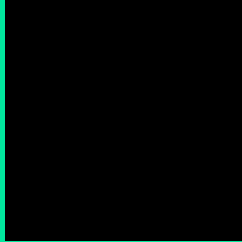
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.1818, 0.2551, 0.4382

Background



This preview shows how black text looks on a background with the Yxy color 60.1818, 0.2551, 0.4382.



This preview shows how white text looks on a background with the Yxy color 60.1818, 0.2551, 0.4382.

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

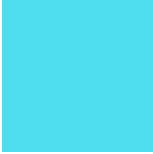
60.1883, 0.2551, 0.4382

Protanopia

59.0371, 0.3677, 0.3958

Deuteranopia

58.8660, 0.3675, 0.3593



Tritanopia

60.1961, 0.2289, 0.3056

Trichromacy



Original Color

60.1883, 0.2551, 0.4382



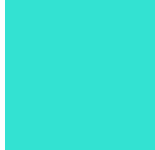
Protanomaly

55.1938, 0.3005, 0.4169



Deuteranomaly

54.1816, 0.2992, 0.3892



Tritanomaly

59.7497, 0.2360, 0.3508

Monochromacy



Original Color

60.1883, 0.2551, 0.4382



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

38.4191, 0.2686, 0.3728

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.1818, 0.2551, 0.4382 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, 232, 158)` looks like.

```
.text, #text, p{  
    color:rgb(1, 232, 158)  
}
```

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, 232, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 232, 158) }
```

Border

The CSS property to change the border of an element to Yxy 60.1818, 0.2551, 0.4382 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, 232, 158) }
```

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

```
.border{ border-color:rgb(1, 232, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 232, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 232, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 232, 158);  
box-shadow:4px 4px 4px 4px rgb(1, 232,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 60.1818, 0.2551, 0.4382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 232, 158) }
```

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

```
.background{ background-color: rgb(1, 232,  
158) }
```

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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