

Converting Colors

$Yxy(63.3748, 0.2460, 0.4055)$

Have a look what the booklet for
Yxy(63.3748, 0.2460, 0.4055)
contains.

Yxy(63.3683, 0.2460, 0.4055)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.3683, 0.2460, 0.4055)

Conversions

Conversions Part 1

Format	Color
Hex	00ECB6
RGB	0, 236, 182
RGB Percent	0%, 93%, 71%
CMY	0.9982, 0.0745, 0.2863
CMYK	1.00, 0.00, 0.23, 0.07
HSL	166°, 100%, 46%
HSV	166°, 100%, 93%
XYZ	38.4429, 63.3683, 54.4608
YIQ	159.2800, -123.3220, -66.8260

Conversions

Conversions Part 2

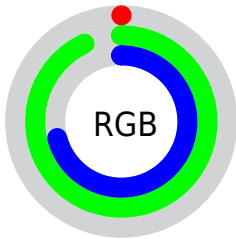
Format	Color
RYB	0, 133, 236
Decimal	60598
CIELab	83.64, -59.70, 13.03
CIELCh	84, 61.101, 167.690
Yxy	63.3683, 0.2460, 0.4055
Android (android.graphics.Color)	4278250678 (0xFF00ECB6)
YUV	159.2800, 11.2010, -139.6886
Hunter-Lab	79.6042, -53.1051, 15.1600

Details

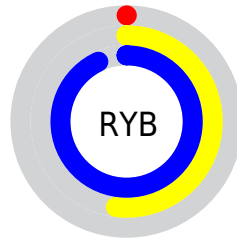
The Yxy color **63.3683, 0.2460, 0.4055** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed spring green. A complement of this color would be **18.1136, 0.6022, 0.3093**, and the grayscale version is **34.8630, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0726, 0.2486, 0.3490**, and **33.8252, 0.2506, 0.4220** is the 20% darker color. If you saturate the color by 10%, you get **63.3633, 0.2460, 0.4057**, and if you desaturate by 10%, it is **63.7908, 0.2452, 0.3971**.

Distribution



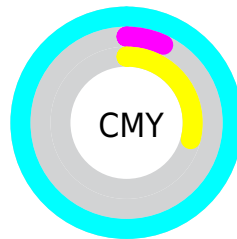
- Red (0%)
- Green (93%)
- Blue (71%)



- Red (0%)
- Yellow (52%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (7%)





- Cyan (100%)
- Magenta (7%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.3683, 0.2460, 0.4055 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 63.3683, 0.2460, 0.4055 by changing the saturation by 10% instead.


 63.3683, 0.2460,
0.4055

 63.3683, 0.2460,
0.4055


436.9049, 0.2782,
0.3675


 46.1392, 0.2383,
0.4148

 109.7007, 0.2574,
0.3918


 32.3557, 0.2287,
0.4268


 139.5728, 0.2618,
0.3866

 21.6333, 0.2162,
0.4424


 174.4280, 0.2656,
0.3822

 13.5877, 0.1996,
0.4640

 214.6508, 0.2688,
0.3785

 7.8345, 0.1764,
0.4951

 260.6254, 0.2716,
0.3752

 3.9892, 0.1423,
0.5438

312.7364, 0.2741,

 1.6675, 0.0000,

0.3723

0.6947

371.3681, 0.2763,
0.3698

■ 0.4025, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.3683, 0.2460,
0.4055

■ 63.3683, 0.2460,
0.4055

■ 63.3633, 0.2460,
0.4057

■ 63.7908, 0.2452,
0.3971

■ 64.4530, 0.2460,
0.3885

■ 65.4280, 0.2487,
0.3800

■ 66.7586, 0.2535,
0.3715

■ 68.4808, 0.2602,
0.3633

■ 70.6258, 0.2685,
0.3554

■ 73.2220, 0.2782,
0.3479

■ 76.2951, 0.2891,
0.3410

■ 79.8689, 0.3008,
0.3347

Harmonies

Analogous

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



63.3683, 0.3152, 0.4630



63.3683, 0.2460, 0.4055



63.3683, 0.1984, 0.3231

Triad

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



63.3683, 0.2460, 0.4055



63.3683, 0.2300, 0.2131



63.3683, 0.4655, 0.3723

Complementary

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



63.3683, 0.2460, 0.4055



18.1136, 0.6022, 0.3093

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.



63.3683, 0.4398, 0.3160



63.3683, 0.2460, 0.4055



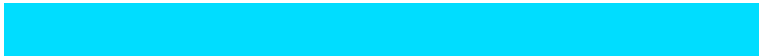
63.3683, 0.2946, 0.2296

Square

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



63.3683, 0.2460, 0.4055



63.3683, 0.1913, 0.2207



63.3683, 0.3735, 0.2659



63.3683, 0.4439, 0.4270

Rectangle

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



63.3683, 0.2460, 0.4055



63.3683, 0.1830, 0.2756



63.3683, 0.3735, 0.2659



63.3683, 0.4624, 0.3533

Sweetspot

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



63.3708, 0.2460, 0.4055



87.1857, 0.2779, 0.3482



60.8156, 0.3083, 0.5933



18.3680, 0.2736, 0.3513



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.



63.3708, 0.2460, 0.4055



75.5301, 0.2461, 0.4060



36.0194, 0.1997, 0.2388



17.0594, 0.3012, 0.3345



34.9481, 0.2456, 0.4043



2.7586, 0.2424, 0.3925

Inverse Universe

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



18.1136, 0.6022, 0.3093



21.5702, 0.6037, 0.3099



21.4194, 0.6061, 0.3568



15.1106, 0.3257, 0.3236



9.9935, 0.5990, 0.3073



0.7991, 0.5605, 0.2861

Previews

White Background



This preview shows how the Yxy color 63.3683, 0.2460, 0.4055 looks on a white background.

Color Contrast Check

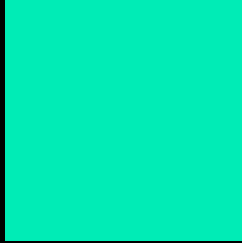
Large Text (above 18pt) WCAG AA × Fail

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 63.3683, 0.2460, 0.4055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

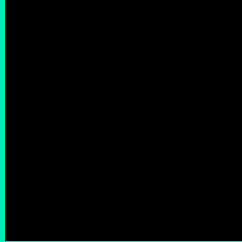
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.3683, 0.2460, 0.4055

Background



This preview shows how black text looks on a background with the Yxy color 63.3683, 0.2460, 0.4055.



This preview shows how white text looks on a background with the Yxy color 63.3683, 0.2460, 0.4055.

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

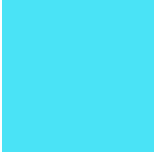
63.3683, 0.2460, 0.4055

Protanopia

61.9927, 0.3516, 0.3741

Deuteranopia

61.8882, 0.3469, 0.3391



Tritanopia

63.0478, 0.2269, 0.3048

Trichromacy



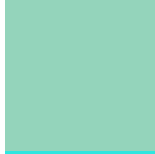
Original Color

63.3683, 0.2460, 0.4055



Protanomaly

58.1797, 0.2886, 0.3898



Deuteranomaly

56.9707, 0.2842, 0.3621



Tritanomaly

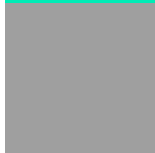
62.5257, 0.2314, 0.3381

Monochromacy



Original Color

63.3683, 0.2460, 0.4055



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

41.0974, 0.2639, 0.3601

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.3683, 0.2460, 0.4055 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, 182)` looks like.

```
.text, #text, p{  
    color:rgb(0, 236, 182)  
}
```

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, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 236, 182) }
```

Border

The CSS property to change the border of an element to Yxy 63.3683, 0.2460, 0.4055 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, 182) }
```

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

```
.border{ border-color:rgb(0, 236, 182) }
```

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, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 236, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 236, 182);  
box-shadow:4px 4px 4px 4px rgb(0, 236,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 63.3683, 0.2460, 0.4055 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, 182) }
```

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

```
.background{ background-color: rgb(0, 236,  
182) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor