

Converting Colors

Yxy(50.9324, 0.2469, 0.4703)

Have a look what the booklet for
Yxy(50.9324, 0.2469, 0.4703)
contains.

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Color

Yxy(52.3565, 0.2624, 0.4647)

Conversions

Conversions Part 1

Format	Color
Hex	00DB85
RGB	0, 219, 133
RGB Percent	0%, 86%, 52%
CMY	1.0000, 0.1412, 0.4783
CMYK	1.00, 0.00, 0.39, 0.14
HSL	156°, 100%, 43%
HSV	156°, 100%, 86%
XYZ	29.5639, 52.3565, 30.7469
YIQ	143.7150, -102.9180, -73.1740

Conversions

Conversions Part 2

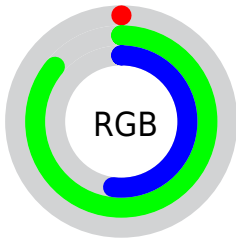
Format	Color
RYB	0, 136, 219
Decimal	56197
CIELab	77.49, -64.21, 29.98
CIELCh	77, 70.869, 154.971
Yxy	52.3565, 0.2624, 0.4647
Android (android.graphics.Color)	4278246277 (0xFF00DB85)
YUV	143.7150, -5.2825, -126.0381
Hunter-Lab	72.3578, -53.6947, 25.4564

Details

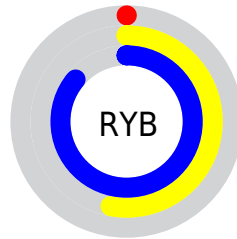
The Yxy color **52.3565, 0.2624, 0.4647** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **15.7325, 0.5436, 0.2768**, and the grayscale version is **27.8244, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1720, 0.2691, 0.4152**, and **26.4499, 0.2714, 0.4970** is the 20% darker color. If you saturate the color by 10%, you get **52.3603, 0.2624, 0.4647**, and if you desaturate by 10%, it is **52.7773, 0.2601, 0.4499**.

Distribution



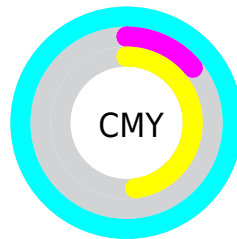
- Red (0%)
- Green (86%)
- Blue (52%)



- Red (0%)
- Yellow (53%)
- Blue (86%)



- Cyan (100%)
- Magenta (0%)
- Yellow (39%)
- Black (14%)





- Cyan (100%)
- Magenta (14%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.3565, 0.2624, 0.4647 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 52.3565, 0.2624, 0.4647 by changing the saturation by 10% instead.


 52.3565, 0.2624,
0.4647

 52.3565, 0.2624,
0.4647


395.8114, 0.2897,
0.3929

 37.2893, 0.2549,
0.4837


 93.6568, 0.2728,
0.4378


 25.4316, 0.2450,
0.5086


 120.6587, 0.2766,
0.4279

 16.3989, 0.2312,
0.5426


 152.4076, 0.2797,
0.4197

 9.8069, 0.2110,
0.5911

 189.2879, 0.2823,
0.4127

 5.2711, 0.1794,
0.6642

 231.6841, 0.2846,
0.4067

 2.4072, 0.1014,
0.8939

279.9804, 0.2865,


 0.8296, 0.0000,


0.4015

1.0000

334.5614, 0.2882,
0.3970


 0.0000, 0.0000,
0.0000


 52.3565, 0.2624,
0.4647


 52.3565, 0.2624,
0.4647

 52.3603, 0.2624,
0.4647

 52.7773, 0.2601,
0.4499

 53.4064, 0.2595,
0.4347

 54.3110, 0.2610,
0.4193

 55.5270, 0.2644,
0.4040

 57.0845, 0.2696,
0.3893

■ 59.0102, 0.2764,
0.3752

■ 61.3278, 0.2844,
0.3621

■ 64.0590, 0.2933,
0.3500

■ 67.2241, 0.3029,
0.3389

Harmonies

Analogous

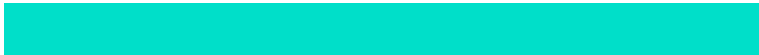
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.3565, 0.3497, 0.5060



52.3565, 0.2624, 0.4647



52.3565, 0.1938, 0.3635

Triad

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



52.3565, 0.2624, 0.4647



52.3565, 0.1901, 0.1911



52.3565, 0.4944, 0.3473

Complementary

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



52.3565, 0.2624, 0.4647



15.7325, 0.5436, 0.2768

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.



52.3565, 0.4393, 0.2848



52.3565, 0.2624, 0.4647



52.3565, 0.2531, 0.1997

Square

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



52.3565, 0.2624, 0.4647



52.3565, 0.1593, 0.2114



52.3565, 0.3446, 0.2327



52.3565, 0.4879, 0.4139

Rectangle

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



52.3565, 0.2624, 0.4647



52.3565, 0.1671, 0.2959



52.3565, 0.3446, 0.2327



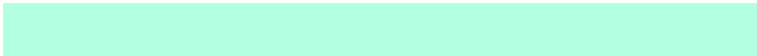
52.3565, 0.4826, 0.3258

Sweetspot

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



52.3603, 0.2624, 0.4647



86.4787, 0.2842, 0.3624



52.7214, 0.3234, 0.5814



18.1987, 0.2807, 0.3679



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

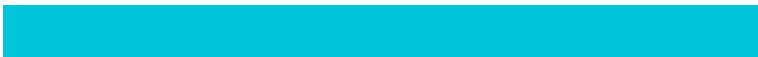
The Same Dimension uses a secret algorithm to generate beautiful new colors.



52.3603, 0.2624, 0.4647



73.8829, 0.2628, 0.4659



45.0951, 0.2158, 0.2969



14.7385, 0.3034, 0.3383



31.0674, 0.2618, 0.4625



2.0295, 0.2551, 0.4382

Inverse Universe

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



15.7325, 0.5436, 0.2768



22.1822, 0.5457, 0.2780



15.6310, 0.6331, 0.3355



13.1358, 0.3230, 0.3199



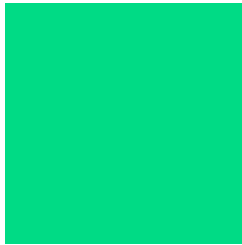
9.3482, 0.5397, 0.2747



0.6223, 0.4962, 0.2507

Previews

White Background



This preview shows how the Yxy color 52.3565, 0.2624, 0.4647 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 52.3565, 0.2624, 0.4647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

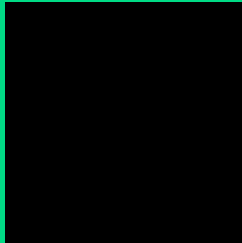
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.3565, 0.2624, 0.4647

Background



This preview shows how black text looks on a background with the Yxy color 52.3565, 0.2624, 0.4647.

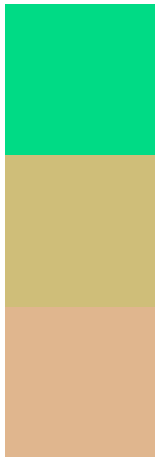


This preview shows how white text looks on a background with the Yxy color 52.3565, 0.2624, 0.4647.

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

52.3565, 0.2624, 0.4647

Protanopia

51.4728, 0.3820, 0.4132

Deuteranopia

51.2562, 0.3840, 0.3760



Tritanopia

52.2103, 0.2305, 0.3056

Trichromacy



Original Color

52.3565, 0.2624, 0.4647



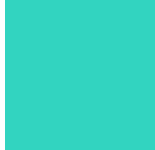
Protanomaly

48.1595, 0.3124, 0.4412



Deuteranomaly

46.7339, 0.3119, 0.4106



Tritanomaly

51.5708, 0.2388, 0.3582

Monochromacy



Original Color

52.3565, 0.2624, 0.4647



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

33.2946, 0.2726, 0.3827

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.3565, 0.2624, 0.4647 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, 219, 133)` looks like.

```
.text, #text, p{  
    color:rgb(0, 219, 133)  
}
```

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, 219, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 133) }
```

Border

The CSS property to change the border of an element to Yxy 52.3565, 0.2624, 0.4647 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, 219, 133) }
```

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

```
.border{ border-color:rgb(0, 219, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 219, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 219, 133);  
box-shadow:4px 4px 4px 4px rgb(0, 219,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 52.3565, 0.2624, 0.4647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 219, 133) }
```

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

```
.background{ background-color: rgb(0, 219,  
133) }
```

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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