

Converting Colors

$Y_{xy}(43.6515, 0.2730, 0.5026)$

Have a look what the booklet for
Yxy(43.6515, 0.2730, 0.5026)
contains.

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Color

Yxy(43.6579, 0.2730, 0.5026)

Conversions

Conversions Part 1

Format	Color
Hex	01CB65
RGB	1, 203, 101
RGB Percent	0%, 80%, 40%
CMY	0.9977, 0.2039, 0.6039
CMYK	1.00, 0.00, 0.50, 0.20
HSL	150°, 99%, 40%
HSV	150°, 100%, 80%
XYZ	23.7139, 43.6579, 19.4923
YIQ	130.9740, -87.6500, -74.5460

Conversions

Conversions Part 2

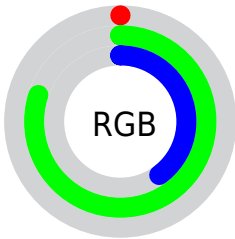
Format	Color
RYB	1, 136, 203
Decimal	117605
CIELab	72.00, -64.54, 39.00
CIELCh	72, 75.409, 148.853
Yxy	43.6579, 0.2730, 0.5026
Android (android.graphics.Color)	4278307685 (0xFF01CB65)
YUV	130.9740, -14.7772, -113.9872
Hunter-Lab	66.0741, -51.5663, 28.7609

Details

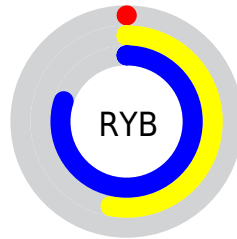
The Yxy color **43.6579, 0.2730, 0.5026** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **13.6809, 0.4950, 0.2502**, and the grayscale version is **22.7190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6779, 0.2825, 0.4601**, and **21.1065, 0.2846, 0.5445** is the 20% darker color. If you saturate the color by 10%, you get **43.6503, 0.2731, 0.5031**, and if you desaturate by 10%, it is **44.0272, 0.2701, 0.4844**.

Distribution



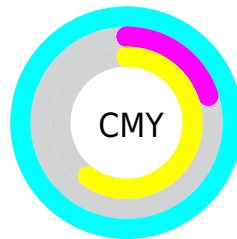
- Red (0%)
- Green (80%)
- Blue (40%)



- Red (0%)
- Yellow (53%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (20%)




- Cyan (100%)
- Magenta (20%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.6579, 0.2730, 0.5026 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 43.6579, 0.2730, 0.5026 by changing the saturation by 10% instead.


 43.6579, 0.2730,
0.5026


 43.6579, 0.2730,
0.5026


361.3104, 0.2975,
0.4074


 30.4017, 0.2652,
0.5288


 80.7027, 0.2831,
0.4661

 20.1437, 0.2540,
0.5636


 105.2601, 0.2866,
0.4530

 12.4995, 0.2373,
0.6116


 134.3533, 0.2893,
0.4421

 7.0848, 0.2105,
0.6800

 168.3667, 0.2916,
0.4329

 3.5152, 0.1738,
0.8262

 207.6847, 0.2934,
0.4251

 1.4063, 0.0000,
1.0000


252.6917, 0.2950,

 0.2213, 0.0000,

0.4184


1.0000

303.7722, 0.2964,
0.4126


 0.0000, 0.0000,
0.0000


 43.6579, 0.2730,
0.5026

 43.6579, 0.2730,
0.5026


 43.6503, 0.2731,
0.5031

 44.0272, 0.2701,
0.4844

 44.5832, 0.2688,
0.4652

 45.3812, 0.2695,
0.4455

 46.4509, 0.2722,
0.4257

 47.8177, 0.2765,
0.4065

■ 49.5039, 0.2823,
0.3882

■ 51.5296, 0.2891,
0.3712

■ 53.9131, 0.2967,
0.3555

■ 56.6716, 0.3047,
0.3413

Harmonies

Analogous

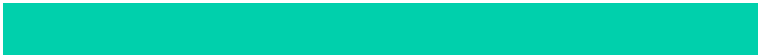
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.6579, 0.3700, 0.5268



43.6579, 0.2730, 0.5026



43.6579, 0.1921, 0.3928

Triad

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



43.6579, 0.2730, 0.5026



43.6579, 0.1680, 0.1788



43.6579, 0.5100, 0.3315

Complementary

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



43.6579, 0.2730, 0.5026



13.6809, 0.4950, 0.2502

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.



43.6579, 0.4356, 0.2660



43.6579, 0.2730, 0.5026



43.6579, 0.2287, 0.1828

Square

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



43.6579, 0.2730, 0.5026



43.6579, 0.1418, 0.2066



43.6579, 0.3250, 0.2134



43.6579, 0.5138, 0.4030

Rectangle

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



43.6579, 0.2730, 0.5026



43.6579, 0.1584, 0.3114



43.6579, 0.3250, 0.2134



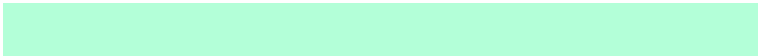
43.6579, 0.4923, 0.3088

Sweetspot

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



43.6597, 0.2730, 0.5026



86.0258, 0.2886, 0.3723



45.7306, 0.3386, 0.5692



18.0913, 0.2856, 0.3794



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.



43.6597, 0.2730, 0.5026



73.0399, 0.2737, 0.5054



46.8728, 0.2261, 0.3338



12.6282, 0.3050, 0.3409



27.7945, 0.2724, 0.5007



1.4492, 0.2624, 0.4646

Inverse Universe

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



13.6809, 0.4950, 0.2502



22.8311, 0.4985, 0.2520



12.7189, 0.6381, 0.3291



11.3064, 0.3212, 0.3174



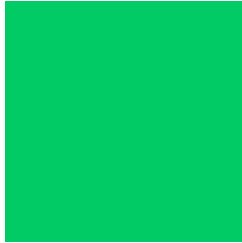
8.7124, 0.4926, 0.2487



0.4648, 0.4502, 0.2254

Previews

White Background



This preview shows how the Yxy color 43.6579, 0.2730, 0.5026 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 43.6579, 0.2730, 0.5026 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 43.6579, 0.2730, 0.5026

Background



This preview shows how black text looks on a background with the Yxy color 43.6579, 0.2730, 0.5026.



This preview shows how white text looks on a background with the Yxy color 43.6579, 0.2730, 0.5026.

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

43.6579, 0.2730, 0.5026

Protanopia

42.7527, 0.3999, 0.4360

Deuteranopia

42.6121, 0.4073, 0.3990



Tritanopia

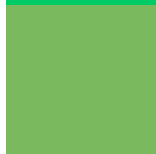
43.3863, 0.2325, 0.3054

Trichromacy



Original Color

43.6579, 0.2730, 0.5026



Protanomaly

39.7351, 0.3270, 0.4710



Deuteranomaly

38.7724, 0.3294, 0.4433



Tritanomaly

42.5355, 0.2443, 0.3724

Monochromacy



Original Color

43.6579, 0.2730, 0.5026



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

27.3548, 0.2789, 0.3993

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.6579, 0.2730, 0.5026 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, 203, 101)` looks like.

```
.text, #text, p{  
    color:rgb(1, 203, 101)  
}
```

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, 203, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 203, 101) }
```

Border

The CSS property to change the border of an element to Yxy 43.6579, 0.2730, 0.5026 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, 203, 101) }
```

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

```
.border{ border-color:rgb(1, 203, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 203, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 203, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 203, 101);  
box-shadow:4px 4px 4px 4px rgb(1, 203,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 43.6579, 0.2730, 0.5026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 203, 101) }
```

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

```
.background{ background-color: rgb(1, 203,  
101) }
```

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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