

Converting Colors

$Yxy(46.0236, 0.2887, 0.5592)$

Have a look what the booklet for
Yxy(46.0236, 0.2887, 0.5592)
contains.

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Color

Yxy(45.9711, 0.2887, 0.5595)

Conversions

Conversions Part 1

Format	Color
Hex	00D140
RGB	0, 209, 64
RGB Percent	0%, 82%, 25%
CMY	1.0000, 0.1804, 0.7490
CMYK	1.00, 0.00, 0.69, 0.18
HSL	138°, 100%, 41%
HSV	138°, 100%, 82%
XYZ	23.7209, 45.9711, 12.4726
YIQ	129.9790, -78.0190, -89.4030

Conversions

Conversions Part 2

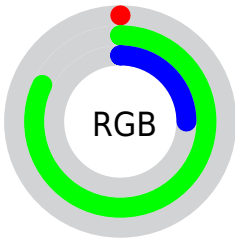
Format	Color
RYB	0, 160, 209
Decimal	53568
CIELab	73.53, -71.09, 57.22
CIELCh	74, 91.261, 141.168
Yxy	45.9711, 0.2887, 0.5595
Android (android.graphics.Color)	4278243648 (0xFF00D140)
YUV	129.9790, -32.5276, -113.9916
Hunter-Lab	67.8020, -56.2042, 36.5546

Details

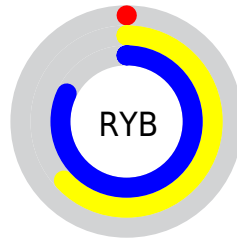
The Yxy color **45.9711, 0.2887, 0.5595** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **15.6016, 0.4179, 0.2076**, and the grayscale version is **22.4555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8552, 0.2984, 0.5040**, and **22.7825, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **45.9763, 0.2887, 0.5595**, and if you desaturate by 10%, it is **46.3218, 0.2857, 0.5400**.

Distribution



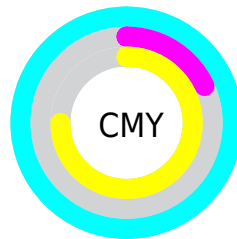
- Red (0%)
- Green (82%)
- Blue (25%)



- Red (0%)
- Yellow (63%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (69%)
- Black (18%)





- Cyan (100%)
- Magenta (18%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9711, 0.2887, 0.5595 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 45.9711, 0.2887, 0.5595 by changing the saturation by 10% instead.


 45.9711, 0.2887,
0.5595


 45.9711, 0.2887,
0.5595


370.6925, 0.3093,
0.4345


 32.2230, 0.2803,
0.5922


 84.1757, 0.2985,
0.5125


 21.5319, 0.2674,
0.6340


 109.4011, 0.3015,
0.4953


 13.5134, 0.2471,
0.6880


 139.2210, 0.3037,
0.4809

 7.7830, 0.2191,
0.7769

 174.0198, 0.3054,
0.4687

 3.9564, 0.1576,
0.8424

 214.1820, 0.3067,
0.4583

 1.6492, 0.0000,
1.0000


260.0919, 0.3078,


 0.3904, 0.0000,


0.4493

1.0000


312.1339, 0.3086,
0.4414


 0.0000, 0.0000,
0.0000

 45.9711, 0.2887,
0.5595


 45.9711, 0.2887,
0.5595


 45.9763, 0.2887,
0.5595

 46.3218, 0.2857,
0.5400

 46.8846, 0.2838,
0.5171

 47.7253, 0.2835,
0.4918

 48.8780, 0.2849,
0.4651

 50.3715, 0.2877,
0.4385

■ 52.2313, 0.2916,
0.4127

■ 54.4805, 0.2964,
0.3886

■ 57.1400, 0.3016,
0.3665

■ 60.2294, 0.3071,
0.3467

Harmonies

Analogous

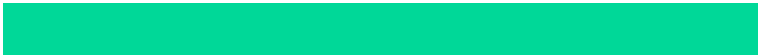
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.9711, 0.3983, 0.5478



45.9711, 0.2887, 0.5595



45.9711, 0.1904, 0.4452

Triad

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



45.9711, 0.2887, 0.5595



45.9711, 0.1376, 0.1618



45.9711, 0.5305, 0.3069

Complementary

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



45.9711, 0.2887, 0.5595



15.6016, 0.4179, 0.2076

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.



45.9711, 0.4251, 0.2382



45.9711, 0.2887, 0.5595



45.9711, 0.1935, 0.1592

Square

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



45.9711, 0.2887, 0.5595



45.9711, 0.1179, 0.2008



45.9711, 0.2933, 0.1858



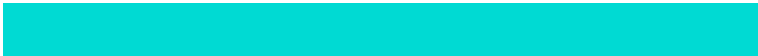
45.9711, 0.5514, 0.3831

Rectangle

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



45.9711, 0.2887, 0.5595



45.9711, 0.1465, 0.3404



45.9711, 0.2933, 0.1858



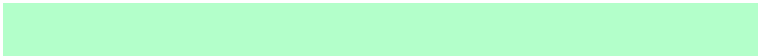
45.9711, 0.5030, 0.2830

Sweetspot

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



45.9763, 0.2887, 0.5595



85.3049, 0.2962, 0.3894



51.7454, 0.3669, 0.5469



17.9224, 0.2941, 0.3995



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.



45.9763, 0.2887, 0.5595



72.0712, 0.2893, 0.5614



48.4039, 0.2430, 0.3947



13.2650, 0.3075, 0.3455



28.3599, 0.2880, 0.5569



1.5998, 0.2775, 0.5189

Inverse Universe

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



15.6016, 0.4179, 0.2076



24.4311, 0.4192, 0.2083



13.7226, 0.6092, 0.3130



11.9448, 0.3184, 0.3130



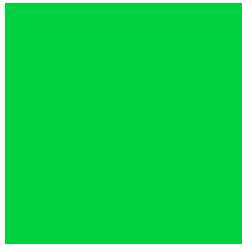
9.6367, 0.4161, 0.2066



0.5526, 0.3946, 0.1947

Previews

White Background



This preview shows how the Yxy color 45.9711, 0.2887, 0.5595 looks on a white background.

Color Contrast Check

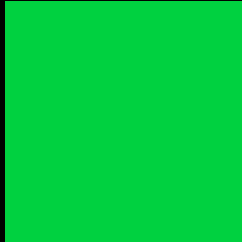
Large Text (above 18pt) WCAG AA × Fail

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 45.9711, 0.2887, 0.5595 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 45.9711, 0.2887, 0.5595

Background



This preview shows how black text looks on a background with the Yxy color 45.9711, 0.2887, 0.5595.



This preview shows how white text looks on a background with the Yxy color 45.9711, 0.2887, 0.5595.

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

45.9711, 0.2887, 0.5595

Protanopia

44.9432, 0.4257, 0.4676

Deuteranopia

44.8149, 0.4411, 0.4313



Tritanopia

45.6647, 0.2346, 0.3059

Trichromacy



Original Color

45.9711, 0.2887, 0.5595



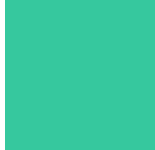
Protanomaly

41.7319, 0.3489, 0.5181



Deuteranomaly

40.4116, 0.3568, 0.4923



Tritanomaly

44.5614, 0.2523, 0.3966

Monochromacy



Original Color

45.9711, 0.2887, 0.5595



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

27.6759, 0.2890, 0.4308

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9711, 0.2887, 0.5595 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, 209, 64)` looks like.

```
.text, #text, p{  
    color:rgb(0, 209, 64)  
}
```

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, 209, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 209, 64) }
```

Border

The CSS property to change the border of an element to Yxy 45.9711, 0.2887, 0.5595 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, 209, 64) }
```

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

```
.border{ border-color:rgb(0, 209, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 209, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 209, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 209, 64);  
box-shadow:4px 4px 4px 4px rgb(0, 209, 64)  
}
```


Background

The CSS property to change the background color of an element to Yxy 45.9711, 0.2887, 0.5595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 209, 64) }
```

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

```
.background{ background-color: rgb(0, 209,  
64) }
```

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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