

Converting Colors

$Y_{xy}(47.2942, 0.2887, 0.5593)$

Have a look what the booklet for
Yxy(47.2942, 0.2887, 0.5593)
contains.

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Color

Yxy(47.4686, 0.2888, 0.5595)

Conversions

Conversions Part 1

Format	Color
Hex	01D441
RGB	1, 212, 65
RGB Percent	0%, 83%, 25%
CMY	0.9980, 0.1686, 0.7451
CMYK	1.00, 0.00, 0.69, 0.17
HSL	138°, 100%, 42%
HSV	138°, 100%, 83%
XYZ	24.5021, 47.4686, 12.8704
YIQ	132.1530, -78.5690, -90.4490

Conversions

Conversions Part 2

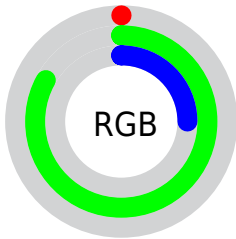
Format	Color
RYB	1, 163, 212
Decimal	119873
CIELab	74.49, -71.82, 57.86
CIELCh	74, 92.227, 141.143
Yxy	47.4686, 0.2888, 0.5595
Android (android.graphics.Color)	4278309953 (0xFF01D441)
YUV	132.1530, -33.1064, -115.0212
Hunter-Lab	68.8975, -57.0903, 37.1525

Details

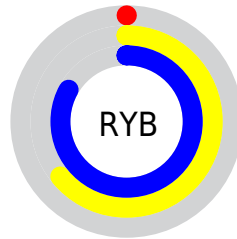
The Yxy color **47.4686, 0.2888, 0.5595** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **16.1307, 0.4172, 0.2073**, and the grayscale version is **23.2193, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9402, 0.2985, 0.5026**, and **23.7769, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **47.4631, 0.2889, 0.5599**, and if you desaturate by 10%, it is **47.8282, 0.2857, 0.5400**.

Distribution



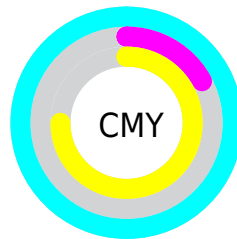
- Red (0%)
- Green (83%)
- Blue (25%)



- Red (0%)
- Yellow (64%)
- Blue (83%)



- Cyan (100%)
- Magenta (0%)
- Yellow (69%)
- Black (17%)





- Cyan (100%)
- Magenta (17%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4686, 0.2888, 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 47.4686, 0.2888, 0.5595 by changing the saturation by 10% instead.


 47.4686, 0.2888,
0.5595

 47.4686, 0.2888,
0.5595


376.6819, 0.3093,
0.4351

 33.4063, 0.2805,
0.5918


 86.4127, 0.2986,
0.5129

 22.4378, 0.2679,
0.6330


 112.0632, 0.3015,
0.4958

 14.1790, 0.2480,
0.6861


 142.3452, 0.3037,
0.4814

 8.2453, 0.2200,
0.7696

 177.6432, 0.3054,
0.4693

 4.2523, 0.1622,
0.8378

 218.3414, 0.3067,
0.4589

 1.8157, 0.0000,
1.0000

264.8243, 0.3078,

 0.4969, 0.0000,

0.4499

1.0000

317.4764, 0.3086,
0.4420

■ 0.0000, 0.0000,
0.0000

■ 47.4686, 0.2888,
0.5595

■ 47.4686, 0.2888,
0.5595

■ 47.4631, 0.2889,
0.5599

■ 47.8282, 0.2857,
0.5400

■ 48.4139, 0.2838,
0.5171

■ 49.2880, 0.2836,
0.4916

■ 50.4854, 0.2850,
0.4649

■ 52.0360, 0.2878,
0.4381

■ 53.9662, 0.2918,
0.4124

■ 56.2997, 0.2965,
0.3882

■ 59.0583, 0.3018,
0.3661

■ 62.2623, 0.3073,
0.3462

Harmonies

Analogous

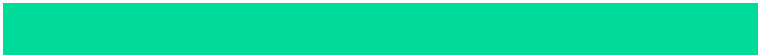
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.4686, 0.3984, 0.5477



47.4686, 0.2888, 0.5595



47.4686, 0.1905, 0.4453

Triad

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



47.4686, 0.2888, 0.5595



47.4686, 0.1376, 0.1619



47.4686, 0.5304, 0.3069

Complementary

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



47.4686, 0.2888, 0.5595



16.1307, 0.4172, 0.2073

Split Complementary

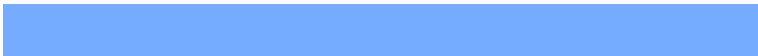
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



47.4686, 0.4250, 0.2382



47.4686, 0.2888, 0.5595



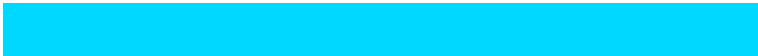
47.4686, 0.1935, 0.1592

Square

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



47.4686, 0.2888, 0.5595



47.4686, 0.1179, 0.2009



47.4686, 0.2932, 0.1858



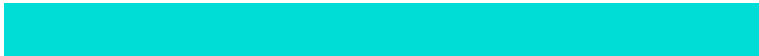
47.4686, 0.5514, 0.3831

Rectangle

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



47.4686, 0.2888, 0.5595



47.4686, 0.1466, 0.3405



47.4686, 0.2932, 0.1858



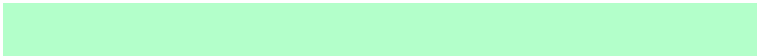
47.4686, 0.5029, 0.2830

Sweetspot

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



47.4706, 0.2888, 0.5595



85.3002, 0.2962, 0.3895



53.4343, 0.3669, 0.5467



17.9213, 0.2942, 0.3996



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.



47.4706, 0.2888, 0.5595



72.0664, 0.2894, 0.5617



49.9799, 0.2430, 0.3946



13.9577, 0.3075, 0.3456



29.3179, 0.2882, 0.5574



1.7829, 0.2783, 0.5220

Inverse Universe

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



16.1307, 0.4172, 0.2073



24.4444, 0.4187, 0.2080



14.1809, 0.6088, 0.3129



12.5652, 0.3184, 0.3129



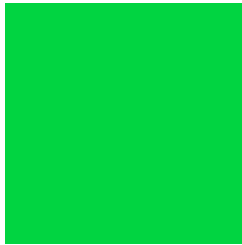
9.9672, 0.4158, 0.2064



0.6156, 0.3955, 0.1952

Previews

White Background



This preview shows how the Yxy color 47.4686, 0.2888, 0.5595 looks on a white background.

Color Contrast Check

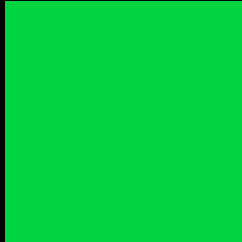
Large Text (above 18pt) WCAG AA × Fail

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 47.4686, 0.2888, 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

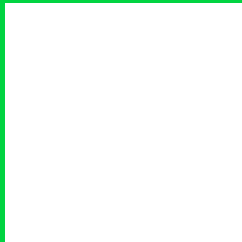
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.4686, 0.2888, 0.5595

Background



This preview shows how black text looks on a background with the Yxy color 47.4686, 0.2888, 0.5595.



This preview shows how white text looks on a background with the Yxy color 47.4686, 0.2888, 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

47.4751, 0.2888, 0.5595

Protanopia

46.4478, 0.4245, 0.4684

Deuteranopia

46.4592, 0.4400, 0.4313



Tritanopia

47.2216, 0.2345, 0.3062

Trichromacy



Original Color

47.4751, 0.2888, 0.5595



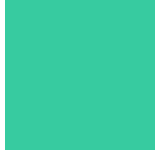
Protanomaly

43.1333, 0.3480, 0.5188



Deuteranomaly

41.8747, 0.3562, 0.4917



Tritanomaly

46.0622, 0.2525, 0.3973

Monochromacy



Original Color

47.4751, 0.2888, 0.5595



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

28.4573, 0.2885, 0.4296

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4686, 0.2888, 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(1, 212, 65)` looks like.

```
.text, #text, p{  
    color:rgb(1, 212, 65)  
}
```

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, 212, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 212, 65) }
```

Border

The CSS property to change the border of an element to Yxy 47.4686, 0.2888, 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(1, 212, 65) }
```

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

```
.border{ border-color:rgb(1, 212, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 212, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 212, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 212, 65);  
box-shadow:4px 4px 4px 4px rgb(1, 212, 65)  
}
```


Background

The CSS property to change the background color of an element to Yxy 47.4686, 0.2888, 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(1, 212, 65) }
```

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

```
.background{ background-color: rgb(1, 212,  
65) }
```

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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