

Converting Colors

$Y_{xy}(47.1217, 0.3003, 0.5998)$

Have a look what the booklet for
Yxy(47.1217, 0.3003, 0.5998)
contains.

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Color

Yxy(47.1063, 0.3003, 0.5998)

Conversions

Conversions Part 1

Format	Color
Hex	03D400
RGB	3, 212, 0
RGB Percent	1%, 83%, 0%
CMY	0.9865, 0.1686, 1.0000
CMYK	0.98, 0.00, 1.00, 0.17
HSL	119°, 100%, 42%
HSV	119°, 100%, 83%
XYZ	23.5846, 47.1063, 7.8458
YIQ	125.3410, -56.5120, -110.2400

Conversions

Conversions Part 2

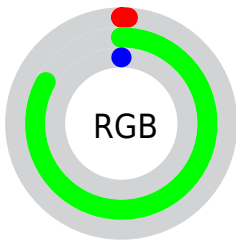
Format	Color
RYB	0, 212, 209
Decimal	250880
CIELab	74.26, -74.85, 72.39
CIELCh	74, 104.127, 135.955
Yxy	47.1063, 0.3003, 0.5998
Android (android.graphics.Color)	4278440960 (0xFF03D400)
YUV	125.3410, -61.7931, -107.2931
Hunter-Lab	68.6340, -58.7720, 41.2662

Details

The Yxy color **47.1063, 0.3003, 0.5998** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **18.2444, 0.3168, 0.1519**, and the grayscale version is **20.9035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3327, 0.3124, 0.5409**, and **23.7769, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **47.1085, 0.3003, 0.5998**, and if you desaturate by 10%, it is **47.3390, 0.3008, 0.5918**.

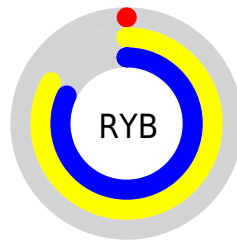
Distribution



Red (1%)

Green (83%)

Blue (0%)



Red (0%)

Yellow (83%)

Blue (82%)

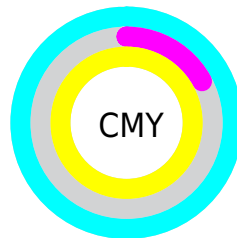


Cyan (98%)

Magenta (0%)

Yellow (100%)

Black (17%)



Cyan (99%)


Magenta (17%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1063, 0.3003, 0.5998 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 47.1063, 0.3003, 0.5998 by changing the saturation by 10% instead.


 47.1063, 0.3003,
0.5998


 47.1063, 0.3003,
0.5998


375.2387, 0.3199,
0.4560

 33.1197, 0.2903,
0.6347


 85.8723, 0.3111,
0.5474


 22.2182, 0.2747,
0.6773


 111.4204, 0.3141,
0.5276

 14.0173, 0.2516,
0.7340

 141.5912, 0.3161,
0.5108

 8.1327, 0.2104,
0.7896

 176.7691, 0.3175,
0.4966

 4.1800, 0.1479,
0.8521

 217.3383, 0.3184,
0.4843

 1.7747, 0.0000,
1.0000

 263.6834, 0.3191,

 0.4714, 0.0000,

0.4736

1.0000

316.1887, 0.3196,
0.4643

■ 0.0000, 0.0000,
0.0000

■ 47.1063, 0.3003,
0.5998

■ 47.1063, 0.3003,
0.5998

■ 47.1085, 0.3003,
0.5998

■ 47.3390, 0.3008,
0.5918

■ 47.8177, 0.3018,
0.5760

■ 48.6104, 0.3032,
0.5519

■ 49.7586, 0.3047,
0.5212

■ 51.2974, 0.3063,
0.4866

■ 53.2577, 0.3079,
0.4508

■ 55.6672, 0.3094,
0.4160

■ 58.5515, 0.3106,
0.3837

■ 61.9339, 0.3118,
0.3546

Harmonies

Analogous

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



47.1063, 0.4187, 0.5540



47.1063, 0.3003, 0.5998



47.1063, 0.1904, 0.4937

Triad

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



47.1063, 0.3003, 0.5998



47.1063, 0.1167, 0.1501



47.1063, 0.5427, 0.2873

Complementary

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



47.1063, 0.3003, 0.5998



18.2444, 0.3168, 0.1519

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.



47.1063, 0.4121, 0.2169



47.1063, 0.3003, 0.5998



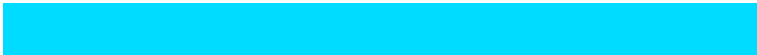
47.1063, 0.1678, 0.1427

Square

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



47.1063, 0.3003, 0.5998



47.1063, 0.1015, 0.1981



47.1063, 0.2669, 0.1657



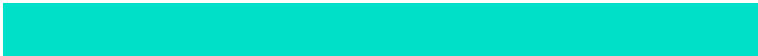
47.1063, 0.5792, 0.3652

Rectangle

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



47.1063, 0.3003, 0.5998



47.1063, 0.1387, 0.3694



47.1063, 0.2669, 0.1657



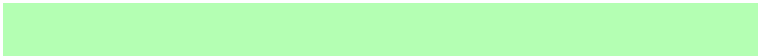
47.1063, 0.5068, 0.2627

Sweetspot

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



47.1085, 0.3003, 0.5998



84.4268, 0.3093, 0.4171



59.3358, 0.4223, 0.5029



17.7207, 0.3087, 0.4317



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.



47.1085, 0.3003, 0.5998



71.5467, 0.3002, 0.5998



48.0549, 0.2744, 0.5079



13.9055, 0.3118, 0.3531



29.0871, 0.3004, 0.5997



1.7579, 0.3016, 0.5987

Inverse Universe

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



18.2444, 0.3168, 0.1519



27.7037, 0.3168, 0.1519



15.1125, 0.4907, 0.2477



12.6220, 0.3135, 0.3060



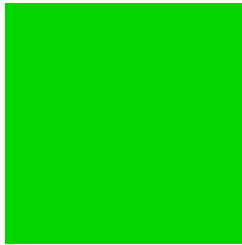
11.2679, 0.3169, 0.1519



0.6830, 0.3176, 0.1523

Previews

White Background



This preview shows how the Yxy color 47.1063, 0.3003, 0.5998 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 47.1063, 0.3003, 0.5998 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

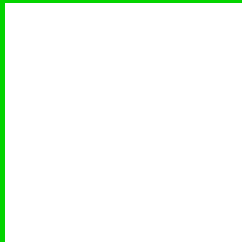
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.1063, 0.3003, 0.5998

Background



This preview shows how black text looks on a background with the Yxy color 47.1063, 0.3003, 0.5998.



This preview shows how white text looks on a background with the Yxy color 47.1063, 0.3003, 0.5998.

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

47.1063, 0.3003, 0.5998

Protanopia

46.2933, 0.4398, 0.4890

Deuteranopia

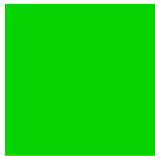
46.1963, 0.4611, 0.4509



Tritanopia

46.8604, 0.2358, 0.3062

Trichromacy



Original Color

47.1063, 0.3003, 0.5998



Protanomaly

42.9652, 0.3636, 0.5495



Deuteranomaly

41.7403, 0.3767, 0.5268



Tritanomaly

44.9182, 0.2658, 0.4372

Monochromacy



Original Color

47.1063, 0.3003, 0.5998



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

26.4425, 0.3064, 0.4795

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1063, 0.3003, 0.5998 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(3, 212, 0)` looks like.

```
.text, #text, p{  
    color:rgb(3, 212, 0)  
}
```

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(3, 212, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 212, 0) }
```

Border

The CSS property to change the border of an element to Yxy 47.1063, 0.3003, 0.5998 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(3, 212, 0) }
```

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

```
.border{ border-color:rgb(3, 212, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 212, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 212, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 212, 0); box-shadow:4px  
4px 4px 4px rgb(3, 212, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1063, 0.3003, 0.5998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 212, 0) }
```

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

```
.background{ background-color: rgb(3, 212,  
0) }
```

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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