

Converting Colors

$Y_{xy}(49.5180, 0.3003, 0.5998)$

Have a look what the booklet for
Yxy(49.5180, 0.3003, 0.5998)
contains.

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Color

Yxy(49.6515, 0.3003, 0.5997)

Conversions

Conversions Part 1

Format	Color
Hex	04D900
RGB	4, 217, 0
RGB Percent	2%, 85%, 0%
CMY	0.9847, 0.1490, 0.9991
CMYK	0.98, 0.00, 1.00, 0.15
HSL	119°, 100%, 43%
HSV	119°, 100%, 85%
XYZ	24.8630, 49.6515, 8.2794
YIQ	128.5750, -57.2910, -112.6430

Conversions

Conversions Part 2

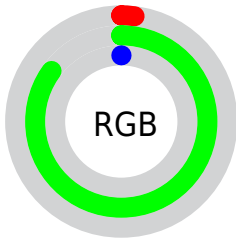
Format	Color
RYB	0, 217, 213
Decimal	317696
CIELab	75.85, -76.15, 73.64
CIELCh	76, 105.934, 135.961
Yxy	49.6515, 0.3003, 0.5997
Android (android.graphics.Color)	4278507776 (0xFF04D900)
YUV	128.5750, -63.3875, -109.2523
Hunter-Lab	70.4638, -60.3283, 42.3582

Details

The Yxy color **49.6515, 0.3003, 0.5997** 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 **19.2113, 0.3167, 0.1518**, and the grayscale version is **22.0381, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4751, 0.3130, 0.5394**, and **25.1416, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **49.6515, 0.3003, 0.5998**, and if you desaturate by 10%, it is **49.8953, 0.3009, 0.5918**.

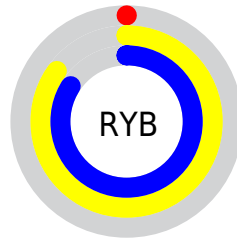
Distribution



Red (2%)

Green (85%)

Blue (0%)



Red (0%)

Yellow (85%)

Blue (84%)

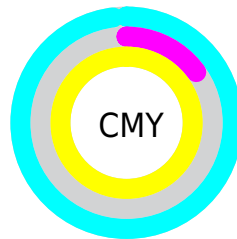


Cyan (98%)

Magenta (0%)

Yellow (100%)

Black (15%)



Cyan (98%)


Magenta (15%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.6515, 0.3003, 0.5997 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 49.6515, 0.3003, 0.5997 by changing the saturation by 10% instead.


 49.6515, 0.3003,
0.5997


 49.6515, 0.3003,
0.5997


385.3015, 0.3198,
0.4572

 35.1366, 0.2905,
0.6340


 89.6583, 0.3110,
0.5480


 23.7681, 0.2754,
0.6755


 115.9190, 0.3139,
0.5284


 15.1617, 0.2526,
0.7291


 146.8637, 0.3160,
0.5118

 8.9329, 0.2141,
0.7859

 182.8768, 0.3174,
0.4976

 4.6975, 0.1550,
0.8450

 224.3428, 0.3183,
0.4854

 2.0709, 0.0000,
1.0000

 271.6459, 0.3190,

 0.6482, 0.0000,

0.4748

1.0000

325.1707, 0.3195,
0.4654

■ 0.0000, 0.0000,
0.0000

■ 49.6515, 0.3003,
0.5997

■ 49.6515, 0.3003,
0.5997

■ 49.6515, 0.3003,
0.5998

■ 49.8953, 0.3009,
0.5918

■ 50.4013, 0.3019,
0.5760

■ 51.2391, 0.3032,
0.5518

■ 52.4524, 0.3048,
0.5211

■ 54.0784, 0.3064,
0.4864

■ 56.1495, 0.3079,
0.4506

■ 58.6952, 0.3094,
0.4158

■ 61.7424, 0.3107,
0.3835

■ 65.3158, 0.3118,
0.3544

Harmonies

Analogous

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



49.6515, 0.4186, 0.5539



49.6515, 0.3003, 0.5997



49.6515, 0.1904, 0.4936

Triad

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



49.6515, 0.3003, 0.5997



49.6515, 0.1167, 0.1502



49.6515, 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.



49.6515, 0.3003, 0.5997



19.2113, 0.3167, 0.1518

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.



49.6515, 0.4121, 0.2170



49.6515, 0.3003, 0.5997



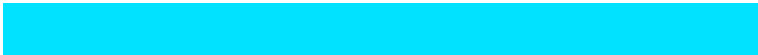
49.6515, 0.1679, 0.1427

Square

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



49.6515, 0.3003, 0.5997



49.6515, 0.1015, 0.1981



49.6515, 0.2670, 0.1657



49.6515, 0.5791, 0.3652

Rectangle

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



49.6515, 0.3003, 0.5997



49.6515, 0.1388, 0.3693



49.6515, 0.2670, 0.1657



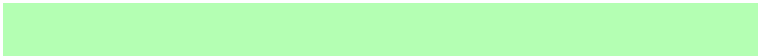
49.6515, 0.5068, 0.2627

Sweetspot

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



49.6536, 0.3003, 0.5997



84.4332, 0.3093, 0.4171



60.7368, 0.4253, 0.5005



17.7221, 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.



49.6536, 0.3003, 0.5997



71.5479, 0.3002, 0.5998



50.5767, 0.2760, 0.5134



14.6167, 0.3118, 0.3531



30.0597, 0.3004, 0.5997



1.9512, 0.3016, 0.5987

Inverse Universe

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



19.2113, 0.3167, 0.1518



27.6703, 0.3166, 0.1518



16.0149, 0.4837, 0.2439



13.2630, 0.3135, 0.3060



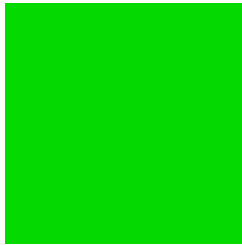
11.6305, 0.3167, 0.1518



0.7571, 0.3175, 0.1522

Previews

White Background



This preview shows how the Yxy color 49.6515, 0.3003, 0.5997 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 49.6515, 0.3003, 0.5997 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

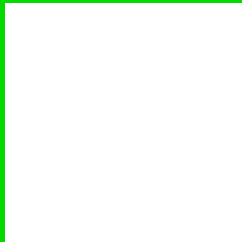
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.6515, 0.3003, 0.5997

Background



This preview shows how black text looks on a background with the Yxy color 49.6515, 0.3003, 0.5997.



This preview shows how white text looks on a background with the Yxy color 49.6515, 0.3003, 0.5997.

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

49.6515, 0.3003, 0.5997

Protanopia

48.6731, 0.4403, 0.4886

Deuteranopia

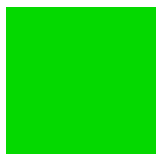
48.5795, 0.4611, 0.4512



Tritanopia

49.5272, 0.2359, 0.3067

Trichromacy



Original Color

49.6515, 0.3003, 0.5997



Protanomaly

45.0008, 0.3638, 0.5494



Deuteranomaly

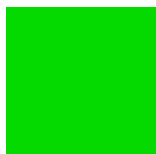
43.8394, 0.3774, 0.5262



Tritanomaly

47.4195, 0.2658, 0.4380

Monochromacy



Original Color

49.6515, 0.3003, 0.5997



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

27.9838, 0.3072, 0.4796

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6515, 0.3003, 0.5997 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(4, 217, 0)` looks like.

```
.text, #text, p{  
    color:rgb(4, 217, 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(4, 217, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 217, 0) }
```

Border

The CSS property to change the border of an element to Yxy 49.6515, 0.3003, 0.5997 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(4, 217, 0) }
```

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

```
.border{ border-color:rgb(4, 217, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 217, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 217, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(4, 217, 0); box-shadow:4px  
4px 4px 4px rgb(4, 217, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6515, 0.3003, 0.5997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 217, 0) }
```

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

```
.background{ background-color: rgb(4, 217,  
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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