

Converting Colors

$Y_{xy}(48.6110, 0.2997, 0.5990)$

Have a look what the booklet for
Yxy(48.6110, 0.2997, 0.5990)
contains.

Yxy(48.6096, 0.2997, 0.5990)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.6096, 0.2997, 0.5990)

Conversions

Conversions Part 1

Format	Color
Hex	00D704
RGB	0, 215, 4
RGB Percent	0%, 84%, 2%
CMY	1.0000, 0.1568, 0.9835
CMYK	1.00, 0.00, 0.98, 0.16
HSL	121°, 100%, 42%
HSV	121°, 100%, 84%
XYZ	24.3210, 48.6096, 8.2206
YIQ	126.6610, -60.4090, -111.2010

Conversions

Conversions Part 2

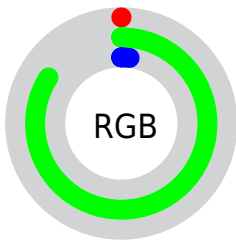
Format	Color
RYB	0, 211, 215
Decimal	55044
CIELab	75.21, -75.70, 72.72
CIELCh	75, 104.977, 136.150
Yxy	48.6096, 0.2997, 0.5990
Android (android.graphics.Color)	4278245124 (0xFF00D704)
YUV	126.6610, -60.4719, -111.0817
Hunter-Lab	69.7206, -59.7438, 41.8136

Details

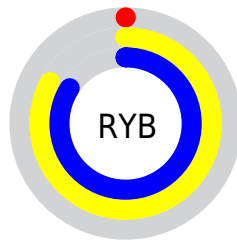
The Yxy color **48.6096, 0.2997, 0.5990** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **19.1413, 0.3259, 0.1569**, and the grayscale version is **21.3372, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4271, 0.3122, 0.5388**, and **24.4537, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **48.6131, 0.2997, 0.5990**, and if you desaturate by 10%, it is **48.8402, 0.2999, 0.5906**.

Distribution



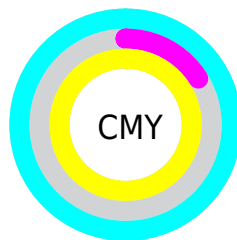
- Red (0%)
- Green (84%)
- Blue (2%)



- Red (0%)
- Yellow (83%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (98%)
- Black (16%)




- Cyan (100%)
- Magenta (16%)
- Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.6096, 0.2997, 0.5990 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 48.6096, 0.2997, 0.5990 by changing the saturation by 10% instead.


 48.6096, 0.2997,
0.5990


 48.6096, 0.2997,
0.5990

381.2034, 0.3194,
0.4563


 34.3099, 0.2899,
0.6336


 88.1113, 0.3105,
0.5471

 23.1318, 0.2746,
0.6756


 114.0822, 0.3134,
0.5274


 14.6908, 0.2516,
0.7302


 144.7122, 0.3155,
0.5108

 8.6027, 0.2123,
0.7877

 180.3857, 0.3169,
0.4966

 4.4830, 0.1521,
0.8479

 221.4872, 0.3179,
0.4844

 1.9472, 0.0000,
1.0000

 268.4011, 0.3186,

 0.5765, 0.0000,

0.4738

1.0000

321.5116, 0.3191,
0.4645

■ 0.0000, 0.0000,
0.0000

■ 48.6096, 0.2997,
0.5990

■ 48.6096, 0.2997,
0.5990

■ 48.6131, 0.2997,
0.5990

■ 48.8402, 0.2999,
0.5906

■ 49.3176, 0.3003,
0.5741

■ 50.1213, 0.3013,
0.5496

■ 51.2957, 0.3026,
0.5187

■ 52.8781, 0.3042,
0.4843

■ 54.9014, 0.3060,
0.4488

■ 57.3951, 0.3078,
0.4145

■ 60.3862, 0.3096,
0.3828

■ 63.8995, 0.3112,
0.3542

Harmonies

Analogous

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



48.6096, 0.4179, 0.5542



48.6096, 0.2997, 0.5990



48.6096, 0.1901, 0.4921

Triad

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



48.6096, 0.2997, 0.5990



48.6096, 0.1172, 0.1503



48.6096, 0.5428, 0.2879

Complementary

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



48.6096, 0.2997, 0.5990



19.1413, 0.3259, 0.1569

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.



48.6096, 0.4129, 0.2176



48.6096, 0.2997, 0.5990



48.6096, 0.1685, 0.1430

Square

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



48.6096, 0.2997, 0.5990



48.6096, 0.1018, 0.1978



48.6096, 0.2679, 0.1662



48.6096, 0.5786, 0.3658

Rectangle

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



48.6096, 0.2997, 0.5990



48.6096, 0.1387, 0.3682



48.6096, 0.2679, 0.1662



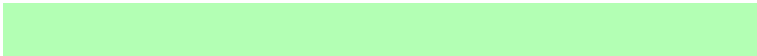
48.6096, 0.5072, 0.2633

Sweetspot

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



48.6131, 0.2997, 0.5990



84.3393, 0.3078, 0.4155



62.5152, 0.4164, 0.5076



17.7010, 0.3070, 0.4299



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.



48.6131, 0.2997, 0.5990



71.5309, 0.2998, 0.5992



49.7534, 0.2713, 0.4967



13.8999, 0.3113, 0.3526



29.0765, 0.2996, 0.5986



1.7552, 0.2984, 0.5943

Inverse Universe

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



19.1413, 0.3259, 0.1569



28.1632, 0.3259, 0.1569



15.4458, 0.5052, 0.2557



12.6283, 0.3141, 0.3065



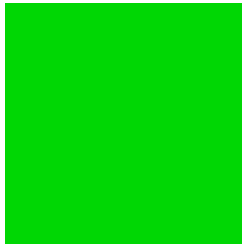
11.4501, 0.3258, 0.1569



0.6920, 0.3249, 0.1564

Previews

White Background



This preview shows how the Yxy color 48.6096, 0.2997, 0.5990 looks on a white background.

Color Contrast Check

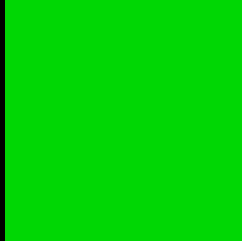
Large Text (above 18pt) WCAG AA × Fail

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 48.6096, 0.2997, 0.5990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

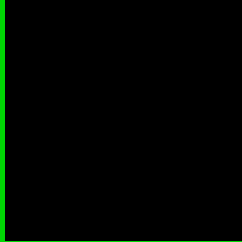
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.6096, 0.2997, 0.5990

Background



This preview shows how black text looks on a background with the Yxy color 48.6096, 0.2997, 0.5990.



This preview shows how white text looks on a background with the Yxy color 48.6096, 0.2997, 0.5990.

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

48.6096, 0.2997, 0.5990

Protanopia

47.5464, 0.4405, 0.4885

Deuteranopia

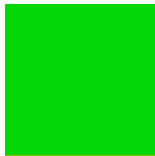
47.4663, 0.4613, 0.4505



Tritanopia

48.4401, 0.2358, 0.3065

Trichromacy



Original Color

48.6096, 0.2997, 0.5990



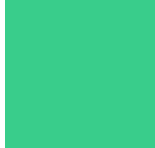
Protanomaly

43.9401, 0.3631, 0.5493



Deuteranomaly

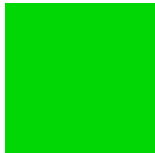
42.6972, 0.3758, 0.5264



Tritanomaly

46.3966, 0.2647, 0.4358

Monochromacy



Original Color

48.6096, 0.2997, 0.5990



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

27.1548, 0.3049, 0.4782

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6096, 0.2997, 0.5990 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, 215, 4)` looks like.

```
.text, #text, p{  
    color:rgb(0, 215, 4)  
}
```

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, 215, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 215, 4) }
```

Border

The CSS property to change the border of an element to Yxy 48.6096, 0.2997, 0.5990 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, 215, 4) }
```

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

```
.border{ border-color:rgb(0, 215, 4) }
```

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

Here you see how a box with a 4 pixel rgb(0, 215, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 215, 4); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 215, 4); box-shadow:4px  
4px 4px 4px rgb(0, 215, 4) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6096, 0.2997, 0.5990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 215, 4) }
```

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

```
.background{ background-color: rgb(0, 215,  
4) }
```

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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