

Converting Colors

$Y_{xy}(47.1694, 0.3004, 0.5916)$

Have a look what the booklet for
Yxy(47.1694, 0.3004, 0.5916)
contains.

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Color

Yxy(47.3155, 0.3004, 0.5917)

Conversions

Conversions Part 1

Format	Color
Hex	16D416
RGB	22, 212, 22
RGB Percent	9%, 83%, 9%
CMY	0.9132, 0.1686, 0.9135
CMYK	0.90, 0.00, 0.90, 0.17
HSL	120°, 81%, 46%
HSV	120°, 90%, 83%
XYZ	24.0216, 47.3155, 8.6283
YIQ	133.5300, -52.2500, -99.3700

Conversions

Conversions Part 2

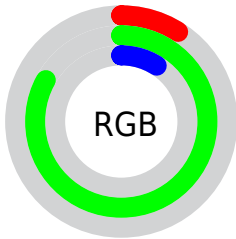
Format	Color
R _Y B	22, 212, 212
Decimal	1496086
CIE Lab	74.39, -73.49, 69.94
CIE LCh	74, 101.455, 136.418
Yxy	47.3155, 0.3004, 0.5917
Android (android.graphics.Color)	4279686166 (0xFF16D416)
YUV	133.5300, -54.9843, -97.8118
Hunter-Lab	68.7863, -58.0401, 40.7133

Details

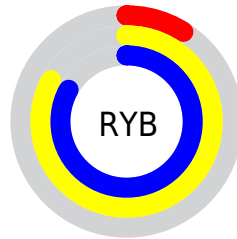
The Yxy color **47.3155, 0.3004, 0.5917** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **19.3180, 0.3207, 0.1576**, and the grayscale version is **23.8956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7029, 0.3120, 0.5333**, and **23.7769, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **47.0952, 0.3000, 0.5997**, and if you desaturate by 10%, it is **47.7841, 0.3012, 0.5757**.

Distribution



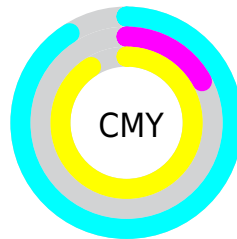
- Red (9%)
- Green (83%)
- Blue (9%)



- Red (9%)
- Yellow (83%)
- Blue (83%)



- Cyan (90%)
- Magenta (0%)
- Yellow (90%)
- Black (17%)





- Cyan (91%)
- Magenta (17%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.3155, 0.3004, 0.5917 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 47.3155, 0.3004, 0.5917 by changing the saturation by 10% instead.

 47.3155, 0.3004,
0.5917


 47.3155, 0.3004,
0.5917


376.0725, 0.3189,
0.4519

 33.2851, 0.2911,
0.6261


 86.1844, 0.3106,
0.5405

 22.3450, 0.2764,
0.6683


 111.7917, 0.3133,
0.5212


 14.1106, 0.2538,
0.7225


 142.0267, 0.3152,
0.5050

 8.1976, 0.2159,
0.7841

 177.2740, 0.3166,
0.4912

 4.2217, 0.1547,
0.8453

 217.9178, 0.3175,
0.4793

 1.7983, 0.0000,
1.0000

 264.3425, 0.3181,


 0.4861, 0.0000,


0.4689


1.0000

316.9326, 0.3186,
0.4599

 0.0000, 0.0000,
0.0000

 47.3155, 0.3004,
0.5917


 47.3155, 0.3004,
0.5917

 47.0952, 0.3000,
0.5997

 47.7841, 0.3012,
0.5757

 47.0877, 0.3000,
0.6000

 48.5700, 0.3023,
0.5514

 49.7182, 0.3038,
0.5204

 51.2654, 0.3054,
0.4856

 53.2437, 0.3071,
0.4497

■ 55.6820, 0.3087,
0.4148

■ 58.6065, 0.3102,
0.3826

■ 62.0417, 0.3116,
0.3535

■ 66.0103, 0.3128,
0.3280

Harmonies

Analogous

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



47.3155, 0.4167, 0.5515



47.3155, 0.3004, 0.5917



47.3155, 0.1924, 0.4859

Triad

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



47.3155, 0.3004, 0.5917



47.3155, 0.1205, 0.1532



47.3155, 0.5383, 0.2901

Complementary

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



47.3155, 0.3004, 0.5917



19.3180, 0.3207, 0.1576

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.



47.3155, 0.4121, 0.2203



47.3155, 0.3004, 0.5917



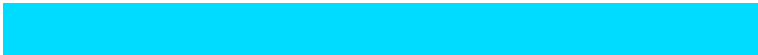
47.3155, 0.1719, 0.1461

Square

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



47.3155, 0.3004, 0.5917



47.3155, 0.1051, 0.2002



47.3155, 0.2702, 0.1693



47.3155, 0.5733, 0.3676

Rectangle

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



47.3155, 0.3004, 0.5917



47.3155, 0.1417, 0.3661



47.3155, 0.2702, 0.1693



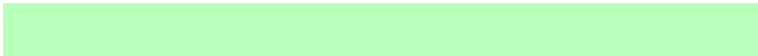
47.3155, 0.5037, 0.2657

Sweetspot

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



47.3175, 0.3004, 0.5917



85.5322, 0.3091, 0.4071



59.5754, 0.4197, 0.4996



18.0039, 0.3085, 0.4187



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.



47.3175, 0.3004, 0.5917



71.5205, 0.3000, 0.6000



48.4705, 0.2712, 0.4886



13.8962, 0.3116, 0.3531



29.0695, 0.3000, 0.6000



1.7534, 0.3000, 0.6000

Inverse Universe

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



19.3180, 0.3207, 0.1576



28.4647, 0.3208, 0.1541



15.9343, 0.4669, 0.2412



12.6325, 0.3138, 0.3060



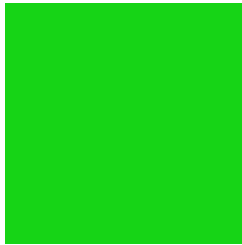
11.5696, 0.3208, 0.1541



0.6979, 0.3209, 0.1541

Previews

White Background



This preview shows how the Yxy color 47.3155, 0.3004, 0.5917 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 47.3155, 0.3004, 0.5917 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 47.3155, 0.3004, 0.5917

Background



This preview shows how black text looks on a background with the Yxy color 47.3155, 0.3004, 0.5917.



This preview shows how white text looks on a background with the Yxy color 47.3155, 0.3004, 0.5917.

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

47.3155, 0.3004, 0.5917

Protanopia

46.4482, 0.4400, 0.4873

Deuteranopia

46.2293, 0.4595, 0.4488



Tritanopia

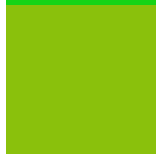
46.9607, 0.2366, 0.3062

Trichromacy



Original Color

47.3155, 0.3004, 0.5917



Protanomaly

43.5697, 0.3685, 0.5420



Deuteranomaly

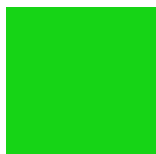
42.4662, 0.3801, 0.5159



Tritanomaly

45.4129, 0.2643, 0.4226

Monochromacy



Original Color

47.3155, 0.3004, 0.5917



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

28.9581, 0.3067, 0.4575

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.3155, 0.3004, 0.5917 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(22, 212, 22)` looks like.

```
.text, #text, p{  
    color:rgb(22, 212, 22)  
}
```

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(22, 212, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 212, 22) }
```

Border

The CSS property to change the border of an element to Yxy 47.3155, 0.3004, 0.5917 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(22, 212, 22) }
```

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

```
.border{ border-color:rgb(22, 212, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 212, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 212, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 212, 22);  
box-shadow:4px 4px 4px 4px rgb(22, 212,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 47.3155, 0.3004, 0.5917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 212, 22) }
```

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

```
.background{ background-color: rgb(22, 212,  
22) }
```

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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