

Converting Colors

Yxy(49.6105, 0.2966, 0.5879)

Have a look what the booklet for
Yxy(49.6105, 0.2966, 0.5879)
contains.

Yxy(49.7412, 0.2966, 0.5877)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.7412, 0.2966, 0.5877)

Conversions

Conversions Part 1

Format	Color
Hex	00D922
RGB	0, 217, 34
RGB Percent	0%, 85%, 13%
CMY	0.9993, 0.1490, 0.8666
CMYK	1.00, 0.00, 0.84, 0.15
HSL	129°, 100%, 43%
HSV	129°, 100%, 85%
XYZ	25.1034, 49.7412, 9.7925
YIQ	131.2550, -70.5890, -102.9170

Conversions

Conversions Part 2

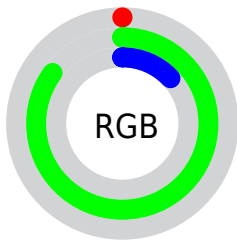
Format	Color
RYB	0, 188, 217
Decimal	55586
CIELab	75.91, -75.36, 68.86
CIELCh	76, 102.085, 137.583
Yxy	49.7412, 0.2966, 0.5877
Android (android.graphics.Color)	4278245666 (0xFF00D922)
YUV	131.2550, -47.9467, -115.1106
Hunter-Lab	70.5274, -59.8882, 41.1370

Details

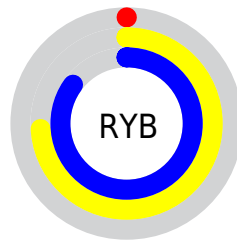
The Yxy color **49.7412, 0.2966, 0.5877** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **18.1807, 0.3653, 0.1786**, and the grayscale version is **23.0078, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5712, 0.3079, 0.5276**, and **25.1416, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **49.7413, 0.2966, 0.5878**, and if you desaturate by 10%, it is **50.0466, 0.2948, 0.5726**.

Distribution



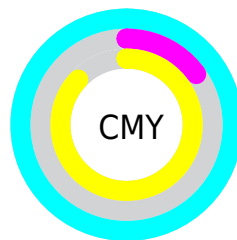
- Red (0%)
- Green (85%)
- Blue (13%)



- Red (0%)
- Yellow (74%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (84%)
- Black (15%)



- Cyan (100%)
- Magenta (15%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.7412, 0.2966, 0.5877 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 49.7412, 0.2966, 0.5877 by changing the saturation by 10% instead.

 49.7412, 0.2966,
0.5877

 49.7412, 0.2966,
0.5877


385.6530, 0.3162,
0.4506

 35.2078, 0.2874,
0.6215


 89.7913, 0.3069,
0.5375

 23.8230, 0.2733,
0.6632


 116.0768, 0.3098,
0.5186


 15.2024, 0.2511,
0.7150


 147.0485, 0.3118,
0.5026

 8.9615, 0.2171,
0.7829

 183.0907, 0.3133,
0.4891

 4.7161, 0.1584,
0.8416

 224.5879, 0.3144,
0.4774

 2.0817, 0.0000,
1.0000

 271.9244, 0.3152,

 0.6543, 0.0000,

0.4673

1.0000

325.4846, 0.3158,
0.4584


 0.0000, 0.0000,
0.0000


 49.7412, 0.2966,
0.5877


 49.7412, 0.2966,
0.5877


 49.7413, 0.2966,
0.5878

 50.0466, 0.2948,
0.5726

 50.6030, 0.2936,
0.5512

 51.4803, 0.2935,
0.5245

 52.7187, 0.2946,
0.4944

 54.3527, 0.2965,
0.4629

■ 56.4123, 0.2992,
0.4317

■ 58.9250, 0.3024,
0.4021

■ 61.9157, 0.3058,
0.3749

■ 65.4075, 0.3093,
0.3504

Harmonies

Analogous

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



49.7412, 0.4123, 0.5531



49.7412, 0.2966, 0.5877



49.7412, 0.1902, 0.4775

Triad

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



49.7412, 0.2966, 0.5877



49.7412, 0.1231, 0.1536



49.7412, 0.5394, 0.2936

Complementary

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



49.7412, 0.2966, 0.5877



18.1807, 0.3653, 0.1786

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.



49.7412, 0.4169, 0.2237



49.7412, 0.2966, 0.5877



49.7412, 0.1758, 0.1477

Square

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



49.7412, 0.2966, 0.5877



49.7412, 0.1065, 0.1986



49.7412, 0.2755, 0.1719



49.7412, 0.5706, 0.3712

Rectangle

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



49.7412, 0.2966, 0.5877



49.7412, 0.1410, 0.3593



49.7412, 0.2755, 0.1719



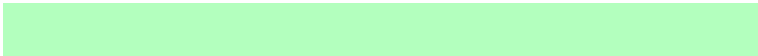
49.7412, 0.5063, 0.2692

Sweetspot

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



49.7433, 0.2966, 0.5877



84.7814, 0.3023, 0.4031



59.8762, 0.3928, 0.5263



17.8015, 0.3009, 0.4154



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.



49.7433, 0.2966, 0.5877



71.6719, 0.2969, 0.5888



51.5540, 0.2581, 0.4490



14.6392, 0.3095, 0.3493



30.1203, 0.2961, 0.5861



1.9619, 0.2888, 0.5597

Inverse Universe

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



18.1807, 0.3653, 0.1786



26.1758, 0.3658, 0.1789



15.2783, 0.5601, 0.2860



13.2381, 0.3161, 0.3095



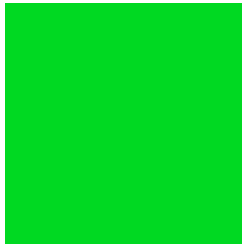
11.0154, 0.3646, 0.1782



0.7232, 0.3563, 0.1736

Previews

White Background



This preview shows how the Yxy color 49.7412, 0.2966, 0.5877 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 49.7412, 0.2966, 0.5877 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

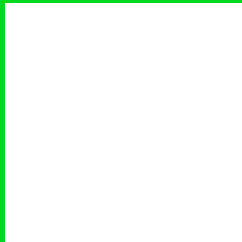
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.7412, 0.2966, 0.5877

Background



This preview shows how black text looks on a background with the Yxy color 49.7412, 0.2966, 0.5877.



This preview shows how white text looks on a background with the Yxy color 49.7412, 0.2966, 0.5877.

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

49.7412, 0.2966, 0.5877

Protanopia

48.7433, 0.4369, 0.4837

Deuteranopia

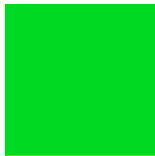
48.5019, 0.4559, 0.4463



Tritanopia

49.4767, 0.2355, 0.3066

Trichromacy



Original Color

49.7412, 0.2966, 0.5877



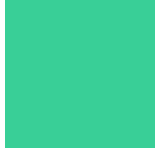
Protanomaly

45.0029, 0.3593, 0.5418



Deuteranomaly

43.7793, 0.3699, 0.5158



Tritanomaly

47.7299, 0.2590, 0.4178

Monochromacy



Original Color

49.7412, 0.2966, 0.5877



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

28.5242, 0.2966, 0.4548

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7412, 0.2966, 0.5877 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, 217, 34)` looks like.

```
.text, #text, p{  
    color:rgb(0, 217, 34)  
}
```

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, 217, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 217, 34) }
```

Border

The CSS property to change the border of an element to Yxy 49.7412, 0.2966, 0.5877 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, 217, 34) }
```

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

```
.border{ border-color:rgb(0, 217, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 217, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 217, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 217, 34);  
box-shadow:4px 4px 4px 4px rgb(0, 217, 34)  
}
```


Background

The CSS property to change the background color of an element to Yxy 49.7412, 0.2966, 0.5877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 217, 34) }
```

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

```
.background{ background-color: rgb(0, 217,  
34) }
```

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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