

Converting Colors

Yxy(41.2785, 0.3068, 0.4532)

Have a look what the booklet for
Yxy(41.2785, 0.3068, 0.4532)
contains.

Yxy(41.4415, 0.3069, 0.4538)	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(41.4415, 0.3069, 0.4538)

Conversions

Conversions Part 1

Format	Color
Hex	70BE70
RGB	112, 190, 112
RGB Percent	44%, 75%, 44%
CMY	0.5605, 0.2549, 0.5607
CMYK	0.41, 0.00, 0.41, 0.25
HSL	120°, 37%, 59%
HSV	120°, 41%, 75%
XYZ	28.0264, 41.4415, 21.8531
YIQ	157.7860, -21.4500, -40.7940

Conversions

Conversions Part 2

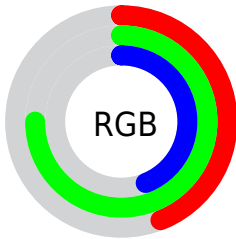
Format	Color
RYB	112, 190, 190
Decimal	7388784
CIELab	70.48, -39.98, 32.01
CIELCh	70, 51.217, 141.314
Yxy	41.4415, 0.3069, 0.4538
Android (android.graphics.Color)	4285578864 (0xFF70BE70)
YUV	157.7860, -22.5725, -40.1543
Hunter-Lab	64.3751, -34.9443, 24.9356

Details

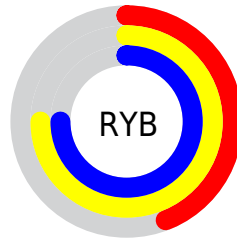
The Yxy color **41.4415, 0.3069, 0.4538** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **26.2471, 0.3173, 0.2294**, and the grayscale version is **34.2089, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4536, 0.3093, 0.4278**, and **18.8667, 0.3008, 0.4958** is the 20% darker color. If you saturate the color by 10%, you get **39.9460, 0.3052, 0.4895**, and if you desaturate by 10%, it is **43.2925, 0.3085, 0.4190**.

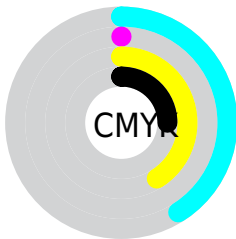
Distribution



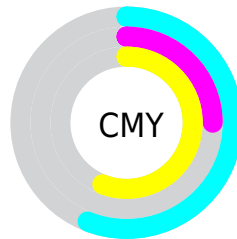
- Red (44%)
- Green (75%)
- Blue (44%)



- Red (44%)
- Yellow (75%)
- Blue (75%)



- Cyan (41%)
- Magenta (0%)
- Yellow (41%)
- Black (25%)





- Cyan (56%)
- Magenta (25%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.4415, 0.3069, 0.4538 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 41.4415, 0.3069, 0.4538 by changing the saturation by 10% instead.

 41.4415, 0.3069,
0.4538

 41.4415, 0.3069,
0.4538


352.1625, 0.3123,
0.3863


 28.6642, 0.3045,
0.4722


 77.3537, 0.3096,
0.4281


 18.8270, 0.3008,
0.4967


 101.2573, 0.3103,
0.4188

 11.5453, 0.2945,
0.5307


 129.6386, 0.3109,
0.4111

 6.4349, 0.2829,
0.5803

 162.8818, 0.3113,
0.4046

 3.1113, 0.2685,
0.6810

201.3714, 0.3117,
0.3990

 1.1901, 0.0966,
0.9034

245.4918, 0.3119,

 0.0536, 0.0000,

0.3942

1.0000

295.6274, 0.3121,
0.3900

■ 0.0000, 0.0000,
0.0000

■ 41.4415, 0.3069,
0.4538

■ 41.4415, 0.3069,
0.4538

■ 39.9460, 0.3052,
0.4895

■ 43.2925, 0.3085,
0.4190

■ 38.7783, 0.3036,
0.5238

■ 45.5140, 0.3100,
0.3866

■ 37.9154, 0.3022,
0.5540


■ 48.1266, 0.3114,
0.3573

■ 37.3289, 0.3011,
0.5775


■ 51.1478, 0.3126,
0.3315

■ 36.9852, 0.3004,
0.5926

■ 54.5941, 0.3136,
0.3090

 36.8251, 0.3000,
0.6000

 58.4811, 0.3145,
0.2897

 62.8236, 0.3153,
0.2731

 65.3043, 0.3157,
0.2653

Harmonies

Analogous

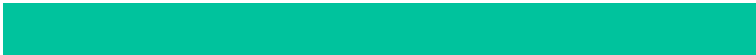
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.4415, 0.3778, 0.4635



41.4415, 0.3069, 0.4538



41.4415, 0.2414, 0.3935

Triad

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



41.4415, 0.3069, 0.4538



41.4415, 0.1979, 0.2217



41.4415, 0.4409, 0.3232

Complementary

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



41.4415, 0.3069, 0.4538



26.2471, 0.3173, 0.2294

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.



41.4415, 0.3805, 0.2732



41.4415, 0.3069, 0.4538



41.4415, 0.2389, 0.2172

Square

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



41.4415, 0.3069, 0.4538



41.4415, 0.1840, 0.2534



41.4415, 0.3042, 0.2358



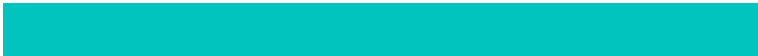
41.4415, 0.4603, 0.3782

Rectangle

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



41.4415, 0.3069, 0.4538



41.4415, 0.2094, 0.3402



41.4415, 0.3042, 0.2358



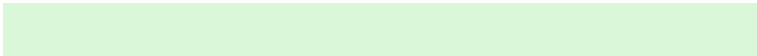
41.4415, 0.4244, 0.3056

Sweetspot

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



41.4432, 0.3069, 0.4538



86.6379, 0.3113, 0.3605



48.3802, 0.3739, 0.4277



18.8807, 0.3111, 0.3642



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.4432, 0.3069, 0.4538



72.6994, 0.3054, 0.4850



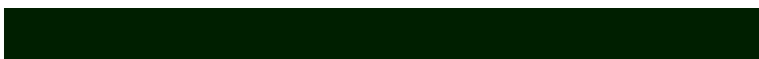
42.4620, 0.2822, 0.3919



10.6500, 0.3116, 0.3527



24.4886, 0.3000, 0.6000



0.9593, 0.3001, 0.5999

Inverse Universe

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



26.2471, 0.3173, 0.2294



41.5191, 0.3182, 0.2105



24.8136, 0.3618, 0.2744



9.6960, 0.3138, 0.3064



9.7401, 0.3207, 0.1541



0.3816, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 41.4415, 0.3069, 0.4538 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 41.4415, 0.3069, 0.4538 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 41.4415, 0.3069, 0.4538

Background



This preview shows how black text looks on a background with the Yxy color 41.4415, 0.3069, 0.4538.



This preview shows how white text looks on a background with the Yxy color 41.4415, 0.3069, 0.4538.

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

41.4415, 0.3069, 0.4538

Protanopia

40.7105, 0.3855, 0.4173

Deuteranopia

40.8381, 0.3959, 0.3875



Tritanopia

41.1718, 0.2618, 0.3073

Trichromacy



Original Color

41.4415, 0.3069, 0.4538



Protanomaly

40.3971, 0.3533, 0.4309



Deuteranomaly

39.8060, 0.3595, 0.4101



Tritanomaly

41.1352, 0.2780, 0.3579

Monochromacy



Original Color

41.4415, 0.3069, 0.4538



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

36.3353, 0.3106, 0.3741

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.4415, 0.3069, 0.4538 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(112, 190, 112)` looks like.

```
.text, #text, p{  
    color:rgb(112, 190, 112)  
}
```

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(112, 190, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 190, 112) }
```

Border

The CSS property to change the border of an element to Yxy 41.4415, 0.3069, 0.4538 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(112, 190, 112) }
```

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

```
.border{ border-color:rgb(112, 190, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 190, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 190, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 190, 112);  
box-shadow:4px 4px 4px 4px rgb(112, 190,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 41.4415, 0.3069, 0.4538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 190, 112) }
```

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

```
.background{ background-color: rgb(112,  
190, 112) }
```

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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