

Converting Colors

$Yxy(70.6665, 0.3430, 0.5330)$

Have a look what the booklet for
Yxy(70.6665, 0.3430, 0.5330)
contains.

Yxy(70.3816, 0.3432, 0.5330)	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(70.3816, 0.3432, 0.5330)

Conversions

Conversions Part 1

Format	Color
Hex	96F242
RGB	150, 242, 66
RGB Percent	59%, 95%, 26%
CMY	0.4116, 0.0510, 0.7412
CMYK	0.38, 0.00, 0.73, 0.05
HSL	91°, 87%, 60%
HSV	91°, 73%, 95%
XYZ	45.3189, 70.3816, 16.3475
YIQ	194.4280, 1.6640, -74.2400

Conversions

Conversions Part 2

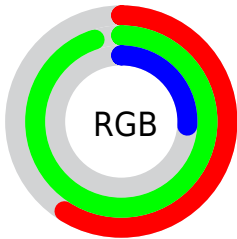
Format	Color
RYB	66, 242, 158
Decimal	9892418
CIELab	87.18, -54.14, 71.60
CIElCh	87, 89.769, 127.093
Yxy	70.3816, 0.3432, 0.5330
Android (android.graphics.Color)	4288082498 (0xFF96F242)
YUV	194.4280, -63.3150, -38.9634
Hunter-Lab	83.8937, -50.3894, 47.1724

Details

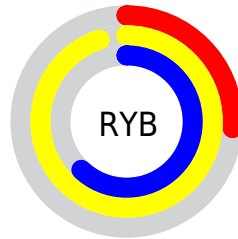
The Yxy color **70.3816, 0.3432, 0.5330** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **17.5684, 0.2369, 0.1298**, and the grayscale version is **54.6044, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5305, 0.3560, 0.4689**, and **36.8716, 0.3348, 0.5724** is the 20% darker color. If you saturate the color by 10%, you get **69.0212, 0.3409, 0.5530**, and if you desaturate by 10%, it is **71.9981, 0.3433, 0.5081**.

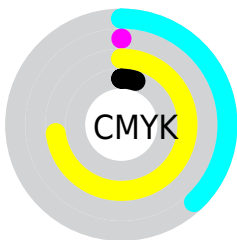
Distribution



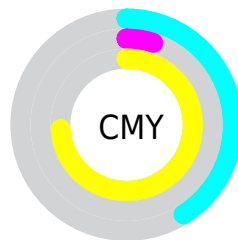
- Red (59%)
- Green (95%)
- Blue (26%)



- Red (26%)
- Yellow (95%)
- Blue (62%)



- Cyan (38%)
- Magenta (0%)
- Yellow (73%)
- Black (5%)





- Cyan (41%)
- Magenta (5%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.3816, 0.3432, 0.5330 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 70.3816, 0.3432, 0.5330 by changing the saturation by 10% instead.

 70.3816, 0.3432,
0.5330


 70.3816, 0.3432,
0.5330


461.8887, 0.3372,
0.4341

 51.8377, 0.3418,
0.5552


 119.7528, 0.3432,
0.4986


 36.8757, 0.3385,
0.5820


 151.3488, 0.3426,
0.4852

 25.1113, 0.3318,
0.6141


 188.0644, 0.3418,
0.4737

 16.1600, 0.3193,
0.6532

 230.2839, 0.3409,
0.4636

 9.6374, 0.2975,
0.7025

 278.3917, 0.3400,
0.4548

 5.1592, 0.2531,
0.7469

332.7721, 0.3390,

 2.3410, 0.1720,

0.4471

0.8280

393.8097, 0.3381,
0.4402

■ 0.7953, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 70.3816, 0.3432,
0.5330

■ 70.3816, 0.3432,
0.5330

■ 69.0212, 0.3409,
0.5530

■ 71.9981, 0.3433,
0.5081


■ 67.8874, 0.3365,
0.5671

■ 73.8791, 0.3414,
0.4798


■ 67.1869, 0.3324,
0.5742


■ 76.0431, 0.3378,
0.4497

■ 78.5041, 0.3329,
0.4192

 81.2751, 0.3271,
0.3896

 84.3683, 0.3209,
0.3616

 87.7949, 0.3145,
0.3357

 91.2669, 0.3108,
0.3164

 91.9832, 0.3133,
0.3165

Harmonies

Analogous

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



70.3816, 0.4369, 0.4959



70.3816, 0.3432, 0.5330



70.3816, 0.2468, 0.4813

Triad

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



70.3816, 0.3432, 0.5330



70.3816, 0.1439, 0.1936



70.3816, 0.4641, 0.2824

Complementary

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



70.3816, 0.3432, 0.5330



17.5684, 0.2369, 0.1298

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.



70.3816, 0.3562, 0.2247



70.3816, 0.3432, 0.5330



70.3816, 0.1794, 0.1753

Square

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



70.3816, 0.3432, 0.5330



70.3816, 0.1411, 0.2514



70.3816, 0.2510, 0.1871



70.3816, 0.5212, 0.3504

Rectangle

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



70.3816, 0.3432, 0.5330



70.3816, 0.1942, 0.4014



70.3816, 0.2510, 0.1871



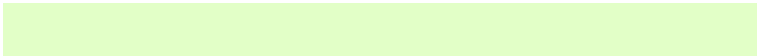
70.3816, 0.4313, 0.2615

Sweetspot

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



70.3847, 0.3432, 0.5330



91.7579, 0.3267, 0.3877



43.3589, 0.4778, 0.4173



19.4493, 0.3283, 0.3956



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.



70.3847, 0.3432, 0.5330



77.1282, 0.3391, 0.5601



65.0896, 0.3010, 0.5588



18.0266, 0.3188, 0.3529



36.1743, 0.3336, 0.5733



3.0682, 0.3437, 0.5653

Inverse Universe

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



17.5684, 0.2369, 0.1298



14.7103, 0.2191, 0.1039



29.0075, 0.3231, 0.1731



15.6350, 0.3062, 0.3052



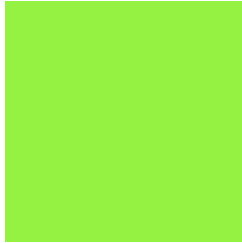
5.9262, 0.2068, 0.0913



0.5522, 0.2207, 0.0990

Previews

White Background



This preview shows how the Yxy color 70.3816, 0.3432, 0.5330 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 70.3816, 0.3432, 0.5330 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

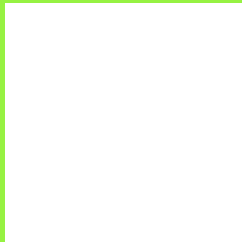
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.3816, 0.3432, 0.5330

Background



This preview shows how black text looks on a background with the Yxy color 70.3816, 0.3432, 0.5330.

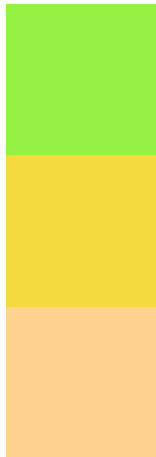


This preview shows how white text looks on a background with the Yxy color 70.3816, 0.3432, 0.5330.

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

70.3816, 0.3432, 0.5330

Protanopia

69.7021, 0.4290, 0.4732

Deuteranopia

69.3364, 0.3973, 0.3978



Tritanopia

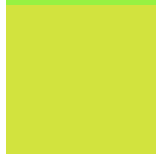
70.0383, 0.2695, 0.3084

Trichromacy



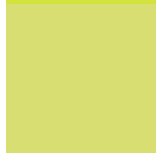
Original Color

70.3816, 0.3432, 0.5330



Protanomaly

68.9876, 0.3954, 0.4967



Deuteranomaly

68.2321, 0.3795, 0.4477



Tritanomaly

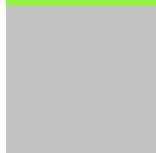
69.0749, 0.3013, 0.3947

Monochromacy



Original Color

70.3816, 0.3432, 0.5330



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

58.1601, 0.3317, 0.4112

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3816, 0.3432, 0.5330 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(150, 242, 66)` looks like.

```
.text, #text, p{  
    color:rgb(150, 242, 66)  
}
```

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(150, 242, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 242, 66) }
```

Border

The CSS property to change the border of an element to Yxy 70.3816, 0.3432, 0.5330 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(150, 242, 66) }
```

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

```
.border{ border-color:rgb(150, 242, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 242, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 242, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 242, 66);  
box-shadow:4px 4px 4px 4px rgb(150, 242,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 70.3816, 0.3432, 0.5330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 242, 66) }
```

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

```
.background{ background-color: rgb(150,  
242, 66) }
```

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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