

Converting Colors

$Yxy(33.2488, 0.3056, 0.5065)$

Have a look what the booklet for
Yxy(33.2488, 0.3056, 0.5065)
contains.

Yxy(33.2488, 0.3057, 0.5059)	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(33.2488, 0.3057, 0.5059)

Conversions

Conversions Part 1

Format	Color
Hex	4FB04D
RGB	79, 176, 77
RGB Percent	31%, 69%, 30%
CMY	0.6901, 0.3098, 0.6980
CMYK	0.55, 0.00, 0.56, 0.31
HSL	119°, 39%, 50%
HSV	119°, 56%, 69%
XYZ	20.0912, 33.2488, 12.3820
YIQ	135.7110, -26.0330, -51.3530

Conversions

Conversions Part 2

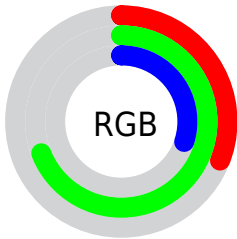
Format	Color
RYB	77, 176, 174
Decimal	5222477
CIELab	64.36, -48.54, 41.66
CIElCh	64, 63.966, 139.363
Yxy	33.2488, 0.3057, 0.5059
Android (android.graphics.Color)	4283412557 (0xFF4FB04D)
YUV	135.7110, -28.9445, -49.7355
Hunter-Lab	57.6618, -38.7129, 27.6316

Details

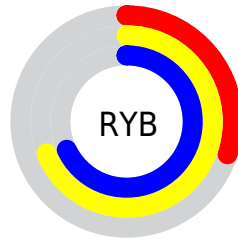
The Yxy color **33.2488, 0.3057, 0.5059** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **17.4417, 0.3163, 0.1974**, and the grayscale version is **24.6278, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.5324, 0.3103, 0.4661**, and **14.0066, 0.2929, 0.5722** is the 20% darker color. If you saturate the color by 10%, you get **32.3880, 0.3041, 0.5383**, and if you desaturate by 10%, it is **34.3714, 0.3073, 0.4709**.

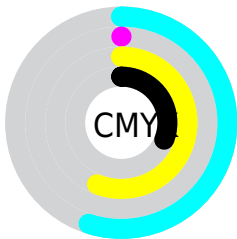
Distribution



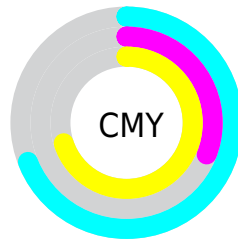
- Red (31%)
- Green (69%)
- Blue (30%)



- Red (30%)
- Yellow (69%)
- Blue (68%)



- Cyan (55%)
- Magenta (0%)
- Yellow (56%)
- Black (31%)





- Cyan (69%)
- Magenta (31%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.2488, 0.3057, 0.5059 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 33.2488, 0.3057, 0.5059 by changing the saturation by 10% instead.


 33.2488, 0.3057,
0.5059


 33.2488, 0.3057,
0.5059


316.7693, 0.3144,
0.4061


 22.3171, 0.3010,
0.5343


 64.7638, 0.3105,
0.4669


 14.0901, 0.2929,
0.5726


 86.1158, 0.3118,
0.4531


 8.1834, 0.2783,
0.6257


 111.7102, 0.3127,
0.4417

 4.2125, 0.2616,
0.7342

 141.9311, 0.3133,
0.4322

 1.7931, 0.1539,
0.8461

 177.1631, 0.3137,
0.4242

 0.4829, 0.0000,
1.0000

217.7906, 0.3140,

 0.0000, 0.0000,

0.4173

0.0000

264.1979, 0.3143,
0.4113

■ 33.2488, 0.3057,
0.5059

■ 33.2488, 0.3057,
0.5059

■ 32.3880, 0.3041,
0.5383

■ 34.3714, 0.3073,
0.4709

■ 31.7642, 0.3027,
0.5655

■ 35.7701, 0.3087,
0.4359

■ 31.3547, 0.3014,
0.5852

■ 37.4631, 0.3101,
0.4024

■ 31.1302, 0.3006,
0.5965

■ 39.4659, 0.3112,
0.3718

■ 31.0739, 0.3005,
0.5996

■ 41.7928, 0.3122,
0.3444

■ 44.4573, 0.3130,
0.3204

■ 47.4721, 0.3137,
0.2995

■ 50.8494, 0.3142,
0.2815

■ 54.6005, 0.3147,
0.2660

Harmonies

Analogous

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



33.2488, 0.3967, 0.5045



33.2488, 0.3057, 0.5059



33.2488, 0.2213, 0.4247

Triad

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



33.2488, 0.3057, 0.5059



33.2488, 0.1647, 0.1922



33.2488, 0.4808, 0.3125

Complementary

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



33.2488, 0.3057, 0.5059



17.4417, 0.3163, 0.1974

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.



33.2488, 0.3959, 0.2526



33.2488, 0.3057, 0.5059



33.2488, 0.2120, 0.1867

Square

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



33.2488, 0.3057, 0.5059



33.2488, 0.1495, 0.2311



33.2488, 0.2932, 0.2081



33.2488, 0.5072, 0.3795

Rectangle

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



33.2488, 0.3057, 0.5059



33.2488, 0.1809, 0.3481



33.2488, 0.2932, 0.2081



33.2488, 0.4576, 0.2914

Sweetspot

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



33.2502, 0.3057, 0.5059



71.1671, 0.3111, 0.3749



39.5387, 0.3945, 0.4570



15.2628, 0.3109, 0.3806



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



33.2502, 0.3057, 0.5059



58.4901, 0.3038, 0.5440



34.0644, 0.2756, 0.4234



9.4980, 0.3119, 0.3525



22.8025, 0.3005, 0.5996



0.7202, 0.3029, 0.5977

Inverse Universe

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



17.4417, 0.3163, 0.1974



27.0471, 0.3165, 0.1774



16.1464, 0.3864, 0.2539



8.6378, 0.3135, 0.3065



8.7736, 0.3159, 0.1514



0.2788, 0.3174, 0.1522

Previews

White Background



This preview shows how the Yxy color 33.2488, 0.3057, 0.5059 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 33.2488, 0.3057, 0.5059 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 33.2488, 0.3057, 0.5059

Background



This preview shows how black text looks on a background with the Yxy color 33.2488, 0.3057, 0.5059.



This preview shows how white text looks on a background with the Yxy color 33.2488, 0.3057, 0.5059.

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

33.2488, 0.3057, 0.5059

Protanopia

32.6555, 0.4087, 0.4472

Deuteranopia

32.7828, 0.4214, 0.4129



Tritanopia

32.9897, 0.2515, 0.3065

Trichromacy



Original Color

33.2488, 0.3057, 0.5059



Protanomaly

32.0787, 0.3642, 0.4714



Deuteranomaly

31.5469, 0.3731, 0.4471



Tritanomaly

32.7086, 0.2721, 0.3757

Monochromacy



Original Color

33.2488, 0.3057, 0.5059



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

27.0159, 0.3097, 0.3940

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2488, 0.3057, 0.5059 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(79, 176, 77)` looks like.

```
.text, #text, p{  
    color:rgb(79, 176, 77)  
}
```

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(79, 176, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 176, 77) }
```

Border

The CSS property to change the border of an element to Yxy 33.2488, 0.3057, 0.5059 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(79, 176, 77) }
```

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

```
.border{ border-color:rgb(79, 176, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 176, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 176, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 176, 77);  
box-shadow:4px 4px 4px 4px rgb(79, 176,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2488, 0.3057, 0.5059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 176, 77) }
```

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

```
.background{ background-color: rgb(79, 176,  
77) }
```

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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