

Converting Colors

$Y_{xy}(15.1115, 0.3613, 0.5063)$

Have a look what the booklet for
Yxy(15.1115, 0.3613, 0.5063)
contains.

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Color

Yxy(15.1529, 0.3614, 0.5067)

Conversions

Conversions Part 1

Format	Color
Hex	587623
RGB	88, 118, 35
RGB Percent	35%, 46%, 14%
CMY	0.6548, 0.5373, 0.8628
CMYK	0.25, 0.00, 0.70, 0.54
HSL	82°, 54%, 30%
HSV	82°, 70%, 46%
XYZ	10.8077, 15.1529, 3.9445
YIQ	99.5680, 8.7630, -32.1730

Conversions

Conversions Part 2

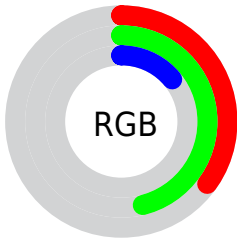
Format	Color
RYB	35, 118, 65
Decimal	5797411
CIELab	45.84, -24.33, 40.45
CIELCh	46, 47.202, 121.027
Yxy	15.1529, 0.3614, 0.5067
Android (android.graphics.Color)	4283987491 (0xFF587623)
YUV	99.5680, -31.8320, -10.1451
Hunter-Lab	38.9267, -18.5627, 21.2408

Details

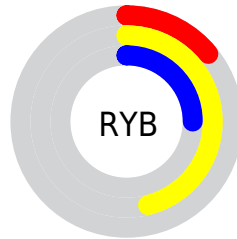
The Yxy color **15.1529, 0.3614, 0.5067** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **3.6324, 0.2224, 0.1335**, and the grayscale version is **12.7102, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9808, 0.3542, 0.4618**, and **4.6876, 0.3529, 0.5580** is the 20% darker color. If you saturate the color by 10%, you get **14.8929, 0.3627, 0.5259**, and if you desaturate by 10%, it is **15.4500, 0.3580, 0.4839**.

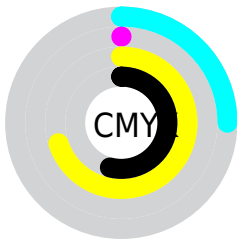
Distribution



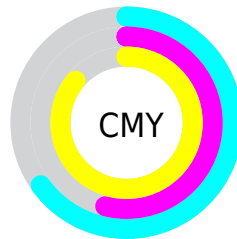
- Red (35%)
- Green (46%)
- Blue (14%)



- Red (14%)
- Yellow (46%)
- Blue (25%)



- Cyan (25%)
- Magenta (0%)
- Yellow (70%)
- Black (54%)





- Cyan (65%)
- Magenta (54%)
- Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 15.1529, 0.3614, 0.5067 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 15.1529, 0.3614, 0.5067 by changing the saturation by 10% instead.


 15.1529, 0.3614,
0.5067


 15.1529, 0.3614,
0.5067


 224.2898, 0.3385,
0.3990


 8.9268, 0.3633,
0.5402


 35.1212, 0.3547,
0.4625


 4.6934, 0.3670,
0.5965

 49.6321, 0.3515,
0.4474


 2.0685, 0.3461,
0.6539

 67.6735, 0.3487,
0.4353

 0.6468, 0.0312,
0.9688

 89.6296, 0.3461,
0.4253

 0.0000, 0.0000,
0.0000

 115.8849, 0.3438,
0.4171

 146.8238, 0.3418,

0.4101

182.8306, 0.3401,
0.4041

15.1529, 0.3614,
0.5067

15.1529, 0.3614,
0.5067

14.8929, 0.3627,
0.5259

15.4500, 0.3580,
0.4839

14.6653, 0.3617,
0.5409

15.7845, 0.3527,
0.4587

14.4679, 0.3595,
0.5527

16.1592, 0.3461,
0.4321

16.5760, 0.3384,
0.4052

17.0366, 0.3301,
0.3788

■ 17.5428, 0.3215,
0.3535

■ 18.0960, 0.3130,
0.3298

■ 18.6977, 0.3047,
0.3078

■ 19.3494, 0.2967,
0.2877

Harmonies

Analogous

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



15.1529, 0.4420, 0.4695



15.1529, 0.3614, 0.5067



15.1529, 0.2730, 0.4759

Triad

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



15.1529, 0.3614, 0.5067



15.1529, 0.1567, 0.2158



15.1529, 0.4290, 0.2768

Complementary

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



15.1529, 0.3614, 0.5067



3.6324, 0.2224, 0.1335

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.



15.1529, 0.3317, 0.2265



15.1529, 0.3614, 0.5067



15.1529, 0.1835, 0.1913

Square

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



15.1529, 0.3614, 0.5067



15.1529, 0.1613, 0.2780



15.1529, 0.2425, 0.1964



15.1529, 0.4918, 0.3387

Rectangle

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



15.1529, 0.3614, 0.5067



15.1529, 0.2213, 0.4145



15.1529, 0.2425, 0.1964



15.1529, 0.3981, 0.2583

Sweetspot

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



15.1536, 0.3614, 0.5067



29.8573, 0.3311, 0.3819



7.6446, 0.4850, 0.3858



6.8242, 0.3328, 0.3874



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



15.1536, 0.3614, 0.5067



25.9506, 0.3624, 0.5351



13.6927, 0.3130, 0.5374



4.2033, 0.3204, 0.3503



15.6455, 0.3593, 0.5529



75.7467, 0.3562, 0.5554

Inverse Universe

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



3.6324, 0.2224, 0.1335



4.3087, 0.1995, 0.0991



5.5461, 0.2958, 0.1681



3.6483, 0.3046, 0.3075



1.9551, 0.1818, 0.0775



9.0821, 0.1767, 0.0747

Previews

White Background



This preview shows how the Yxy color 15.1529, 0.3614, 0.5067 looks on a white 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 × Fail

Black Background



This preview shows how the Yxy color 15.1529, 0.3614, 0.5067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

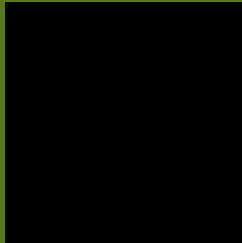
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.1529, 0.3614, 0.5067

Background



This preview shows how black text looks on a background with the Yxy color 15.1529, 0.3614, 0.5067.



This preview shows how white text looks on a background with the Yxy color 15.1529, 0.3614, 0.5067.

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

15.1529, 0.3614, 0.5067

Protanopia

15.1120, 0.4209, 0.4667

Deuteranopia

15.0115, 0.4425, 0.4358



Tritanopia

15.0804, 0.2866, 0.3100

Trichromacy



Original Color

15.1529, 0.3614, 0.5067

Protanomaly

14.9550, 0.3985, 0.4810

Deuteranomaly

14.7232, 0.4126, 0.4603

Tritanomaly

14.8945, 0.3179, 0.3855

Monochromacy



Original Color

15.1529, 0.3614, 0.5067

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.5240, 0.3373, 0.4006

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1529, 0.3614, 0.5067 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(88, 118, 35)` looks like.

```
.text, #text, p{  
    color:rgb(88, 118, 35)  
}
```

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(88, 118, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 118, 35) }
```

Border

The CSS property to change the border of an element to Yxy 15.1529, 0.3614, 0.5067 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(88, 118, 35) }
```

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

```
.border{ border-color:rgb(88, 118, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 118, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 118, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 118, 35);  
box-shadow:4px 4px 4px 4px rgb(88, 118,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 15.1529, 0.3614, 0.5067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 118, 35) }
```

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

```
.background{ background-color: rgb(88, 118,  
35) }
```

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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