

Converting Colors

$Y_{xy}(17.4956, 0.3545, 0.4918)$

Have a look what the booklet for
Yxy(17.4956, 0.3545, 0.4918)
contains.

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Color

Yxy(17.5148, 0.3539, 0.4915)

Conversions

Conversions Part 1

Format	Color
Hex	5E7E30
RGB	94, 126, 48
RGB Percent	37%, 49%, 19%
CMY	0.6313, 0.5059, 0.8119
CMYK	0.25, 0.00, 0.62, 0.51
HSL	85°, 45%, 34%
HSV	85°, 62%, 49%
XYZ	12.6114, 17.5148, 5.5092
YIQ	107.5400, 5.9660, -31.0420

Conversions

Conversions Part 2

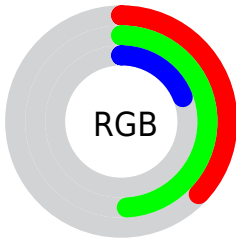
Format	Color
RYB	48, 126, 80
Decimal	6192688
CIELab	48.90, -24.73, 37.93
CIELCh	49, 45.277, 123.105
Yxy	17.5148, 0.3539, 0.4915
Android (android.graphics.Color)	4284382768 (0xFF5E7E30)
YUV	107.5400, -29.3532, -11.8746
Hunter-Lab	41.8507, -19.4492, 21.4905

Details

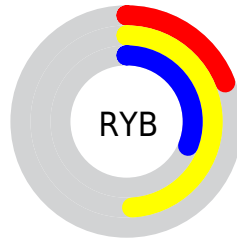
The Yxy color **17.5148, 0.3539, 0.4915** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **5.3217, 0.2405, 0.1575**, and the grayscale version is **14.9437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.3063, 0.3487, 0.4522**, and **5.8432, 0.3527, 0.5581** is the 20% darker color. If you saturate the color by 10%, you get **17.1619, 0.3562, 0.5147**, and if you desaturate by 10%, it is **17.9170, 0.3497, 0.4656**.

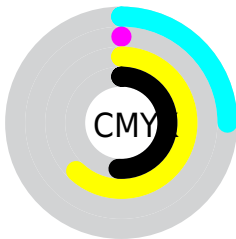
Distribution



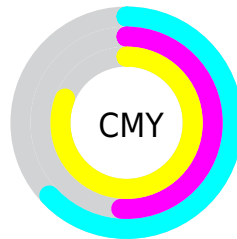
- Red (37%)
- Green (49%)
- Blue (19%)



- Red (19%)
- Yellow (49%)
- Blue (31%)



- Cyan (25%)
- Magenta (0%)
- Yellow (62%)
- Black (51%)




- Cyan (63%)
- Magenta (51%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.5148, 0.3539, 0.4915 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 17.5148, 0.3539, 0.4915 by changing the saturation by 10% instead.

 17.5148, 0.3539,
0.4915

 17.5148, 0.3539,
0.4915


238.1218, 0.3346,
0.3943


 10.6022, 0.3561,
0.5217


 39.2088, 0.3481,
0.4518


 5.8000, 0.3555,
0.5636

 54.7590, 0.3455,
0.4382


 2.7239, 0.3567,
0.6433

 73.9572, 0.3431,
0.4273

 0.9893, 0.2519,
0.7481

 97.1878, 0.3410,
0.4183

 0.0000, 0.0000,
0.0000

 124.8351, 0.3391,
0.4108

 157.2836, 0.3374,

0.4044

194.9177, 0.3359,
0.3990

■ 17.5148, 0.3539,
0.4915

■ 17.5148, 0.3539,
0.4915

■ 17.1619, 0.3562,
0.5147

■ 17.9170, 0.3497,
0.4656

■ 16.8532, 0.3563,
0.5341

■ 18.3690, 0.3441,
0.4383

■ 16.5860, 0.3542,
0.5489

■ 18.8738, 0.3373,
0.4107

■ 16.3917, 0.3517,
0.5590

■ 19.4336, 0.3298,
0.3836

■ 20.0506, 0.3221,
0.3577

■ 20.7266, 0.3142,
0.3335

■ 21.4636, 0.3065,
0.3111

■ 22.2632, 0.2991,
0.2906

■ 23.1271, 0.2921,
0.2721

Harmonies

Analogous

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



17.5148, 0.4293, 0.4638



17.5148, 0.3539, 0.4915



17.5148, 0.2720, 0.4568

Triad

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



17.5148, 0.3539, 0.4915



17.5148, 0.1681, 0.2222



17.5148, 0.4246, 0.2850

Complementary

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



17.5148, 0.3539, 0.4915



5.3217, 0.2405, 0.1575

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.



17.5148, 0.3369, 0.2366



17.5148, 0.3539, 0.4915



17.5148, 0.1956, 0.2004

Square

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



17.5148, 0.3539, 0.4915



17.5148, 0.1707, 0.2781



17.5148, 0.2532, 0.2067



17.5148, 0.4789, 0.3440

Rectangle

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



17.5148, 0.3539, 0.4915



17.5148, 0.2248, 0.4000



17.5148, 0.2532, 0.2067



17.5148, 0.3972, 0.2673

Sweetspot

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



17.5156, 0.3539, 0.4915



34.4673, 0.3279, 0.3770



10.2674, 0.4532, 0.3895



7.7836, 0.3298, 0.3833



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



17.5156, 0.3539, 0.4915



29.9930, 0.3565, 0.5226



15.9693, 0.3106, 0.5160



4.9343, 0.3198, 0.3507



16.8137, 0.3516, 0.5590



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.3217, 0.2405, 0.1575



6.6101, 0.2205, 0.1227



7.4835, 0.3054, 0.1855



4.2911, 0.3051, 0.3071



2.2824, 0.1891, 0.0816



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.5148, 0.3539, 0.4915 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 17.5148, 0.3539, 0.4915 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 × Fail

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

Yxy 17.5148, 0.3539, 0.4915

Background



This preview shows how black text looks on a background with the Yxy color 17.5148, 0.3539, 0.4915.



This preview shows how white text looks on a background with the Yxy color 17.5148, 0.3539, 0.4915.

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

17.5148, 0.3539, 0.4915

Protanopia

17.3474, 0.4138, 0.4551

Deuteranopia

17.2485, 0.4325, 0.4252



Tritanopia

17.4322, 0.2858, 0.3110

Trichromacy



Original Color

17.5148, 0.3539, 0.4915

Protanomaly

17.3432, 0.3903, 0.4696

Deuteranomaly

17.0898, 0.4025, 0.4496

Tritanomaly

17.2659, 0.3129, 0.3778

Monochromacy



Original Color

17.5148, 0.3539, 0.4915

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.8169, 0.3320, 0.3918

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5148, 0.3539, 0.4915 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(94, 126, 48)` looks like.

```
.text, #text, p{  
    color:rgb(94, 126, 48)  
}
```

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(94, 126, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 126, 48) }
```

Border

The CSS property to change the border of an element to Yxy 17.5148, 0.3539, 0.4915 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(94, 126, 48) }
```

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

```
.border{ border-color:rgb(94, 126, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 126, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 126, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 126, 48);  
box-shadow:4px 4px 4px 4px rgb(94, 126,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5148, 0.3539, 0.4915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 126, 48) }
```

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

```
.background{ background-color: rgb(94, 126,  
48) }
```

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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