

Converting Colors

$Y_{xy}(15.4473, 0.3651, 0.5313)$

Have a look what the booklet for
Yxy(15.4473, 0.3651, 0.5313)
contains.

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Color

Yxy(15.4079, 0.3649, 0.5319)

Conversions

Conversions Part 1

Format	Color
Hex	557812
RGB	85, 120, 18
RGB Percent	33%, 47%, 7%
CMY	0.6668, 0.5294, 0.9294
CMYK	0.29, 0.00, 0.85, 0.53
HSL	81°, 74%, 27%
HSV	81°, 85%, 47%
XYZ	10.5703, 15.4079, 2.9895
YIQ	97.9070, 11.8820, -39.1420

Conversions

Conversions Part 2

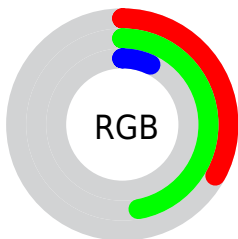
Format	Color
RYB	18, 120, 53
Decimal	5601298
CIELab	46.19, -27.60, 46.88
CIElCh	46, 54.407, 120.488
Yxy	15.4079, 0.3649, 0.5319
Android (android.graphics.Color)	4283791378 (0xFF557812)
YUV	97.9070, -39.3942, -11.3194
Hunter-Lab	39.2529, -20.6248, 22.9616

Details

The Yxy color **15.4079, 0.3649, 0.5319** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.5473, 0.1982, 0.0994**, and the grayscale version is **12.2868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3762, 0.3600, 0.4823**, and **4.8638, 0.3429, 0.5660** is the 20% darker color. If you saturate the color by 10%, you get **15.1908, 0.3632, 0.5446**, and if you desaturate by 10%, it is **15.6572, 0.3644, 0.5149**.

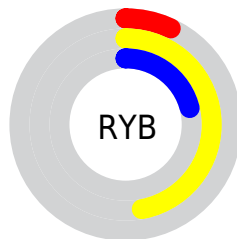
Distribution



Red (33%)

Green (47%)

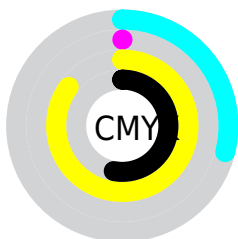
Blue (7%)



Red (7%)

Yellow (47%)

Blue (21%)

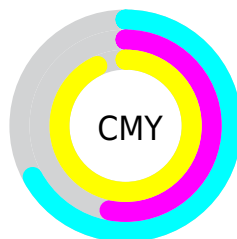


Cyan (29%)

Magenta (0%)

Yellow (85%)

Black (53%)



Cyan (67%)


Magenta (53%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 15.4079, 0.3649, 0.5319 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 15.4079, 0.3649, 0.5319 by changing the saturation by 10% instead.


 15.4079, 0.3649,
0.5319


 15.4079, 0.3649,
0.5319


 225.8220, 0.3426,
0.4101


 9.1062, 0.3643,
0.5677


 35.5672, 0.3597,
0.4828


 4.8105, 0.3671,
0.6329

 50.1935, 0.3566,
0.4657

 2.1365, 0.3282,
0.6718

 68.3635, 0.3537,
0.4519

 0.6850, 0.0000,
1.0000


 90.4615, 0.3510,
0.4405


 0.0000, 0.0000,
0.0000


 116.8720, 0.3485,
0.4310


 147.9793, 0.3463,


0.4229

 184.1679, 0.3444,
0.4160


 15.4079, 0.3649,
0.5319


 15.4079, 0.3649,
0.5319


 15.1908, 0.3632,
0.5446


 15.6572, 0.3644,
0.5149

 15.0880, 0.3622,
0.5506

 15.9406, 0.3617,
0.4940

 16.2614, 0.3570,
0.4701

 16.6218, 0.3507,
0.4443

 17.0238, 0.3431,
0.4175

■ 17.4694, 0.3347,
0.3909

■ 17.9603, 0.3260,
0.3651

■ 18.4982, 0.3171,
0.3406

■ 19.0845, 0.3084,
0.3178

Harmonies

Analogous

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



15.4079, 0.4555, 0.4818



15.4079, 0.3649, 0.5319



15.4079, 0.2666, 0.5025

Triad

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



15.4079, 0.3649, 0.5319



15.4079, 0.1398, 0.2018



15.4079, 0.4437, 0.2681

Complementary

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



15.4079, 0.3649, 0.5319



2.5473, 0.1982, 0.0994

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.



15.4079, 0.3312, 0.2139



15.4079, 0.3649, 0.5319



15.4079, 0.1681, 0.1759

Square

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



15.4079, 0.3649, 0.5319



15.4079, 0.1443, 0.2704



15.4079, 0.2315, 0.1815



15.4079, 0.5160, 0.3347

Rectangle

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



15.4079, 0.3649, 0.5319



15.4079, 0.2093, 0.4304



15.4079, 0.2315, 0.1815



15.4079, 0.4078, 0.2482

Sweetspot

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



15.4086, 0.3649, 0.5319



30.6705, 0.3353, 0.3926



6.4942, 0.5367, 0.3837



7.2142, 0.3377, 0.4001



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



15.4086, 0.3649, 0.5319



26.4581, 0.3609, 0.5517



13.8360, 0.3107, 0.5717



4.5683, 0.3207, 0.3505



16.4499, 0.3620, 0.5508



77.9826, 0.3591, 0.5531

Inverse Universe

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



2.5473, 0.1982, 0.0994



3.1536, 0.1771, 0.0750



4.6733, 0.2870, 0.1458



3.9543, 0.3042, 0.3073



1.9912, 0.1790, 0.0760



9.0692, 0.1742, 0.0733

Previews

White Background



This preview shows how the Yxy color 15.4079, 0.3649, 0.5319 looks on a white background.

Color Contrast Check

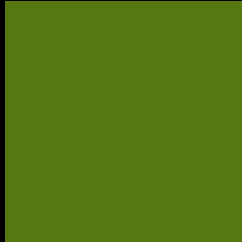
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.4079, 0.3649, 0.5319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

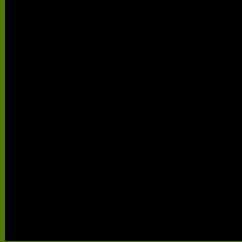
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.4079, 0.3649, 0.5319

Background



This preview shows how black text looks on a background with the Yxy color 15.4079, 0.3649, 0.5319.



This preview shows how white text looks on a background with the Yxy color 15.4079, 0.3649, 0.5319.

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

15.4079, 0.3649, 0.5319

Protanopia

15.1827, 0.4348, 0.4810

Deuteranopia

15.3028, 0.4550, 0.4499



Tritanopia

15.4556, 0.2822, 0.3100

Trichromacy



Original Color

15.4079, 0.3649, 0.5319

Protanomaly

15.0989, 0.4080, 0.5006

Deuteranomaly

15.0694, 0.4213, 0.4806

Tritanomaly

15.1769, 0.3196, 0.3994

Monochromacy



Original Color

15.4079, 0.3649, 0.5319

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

13.0649, 0.3422, 0.4162

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.4079, 0.3649, 0.5319 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(85, 120, 18)` looks like.

```
.text, #text, p{  
    color:rgb(85, 120, 18)  
}
```

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(85, 120, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 120, 18) }
```

Border

The CSS property to change the border of an element to Yxy 15.4079, 0.3649, 0.5319 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(85, 120, 18) }
```

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

```
.border{ border-color:rgb(85, 120, 18) }
```

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

Here you see how a box with a 4 pixel rgb(85, 120, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 120, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 120, 18);  
box-shadow:4px 4px 4px 4px rgb(85, 120,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 15.4079, 0.3649, 0.5319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 120, 18) }
```

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

```
.background{ background-color: rgb(85, 120,  
18) }
```

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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