

Converting Colors

$Y_{xy}(15.0699, 0.3566, 0.5425)$

Have a look what the booklet for
Yxy(15.0699, 0.3566, 0.5425)
contains.

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Color

Yxy(15.0843, 0.3571, 0.5421)

Conversions

Conversions Part 1

Format	Color
Hex	4E780E
RGB	78, 120, 14
RGB Percent	31%, 47%, 5%
CMY	0.6942, 0.5294, 0.9449
CMYK	0.35, 0.00, 0.88, 0.53
HSL	84°, 79%, 26%
HSV	84°, 88%, 47%
XYZ	9.9365, 15.0843, 2.8048
YIQ	95.3580, 8.9940, -41.8700

Conversions

Conversions Part 2

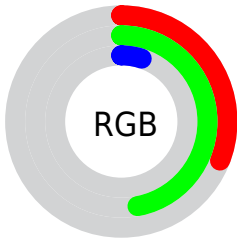
Format	Color
R_{YB}	14, 120, 56
Decimal	5142542
CIE _{Lab}	45.75, -30.62, 47.40
CIE _{LCh}	46, 56.427, 122.863
Yxy	15.0843, 0.3571, 0.5421
Android (android.graphics.Color)	4283332622 (0xFF4E780E)
YUV	95.3580, -40.1095, -15.2230
Hunter-Lab	38.8385, -22.2995, 22.9052

Details

The Yxy color **15.0843, 0.3571, 0.5421** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.5145, 0.2018, 0.0979**, and the grayscale version is **11.6314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.1546, 0.3539, 0.4896**, and **4.7261, 0.3277, 0.5780** is the 20% darker color. If you saturate the color by 10%, you get **14.8638, 0.3544, 0.5550**, and if you desaturate by 10%, it is **15.3363, 0.3581, 0.5257**.

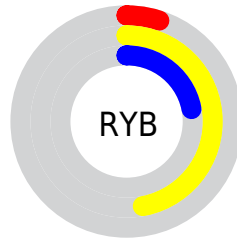
Distribution



Red (31%)

Green (47%)

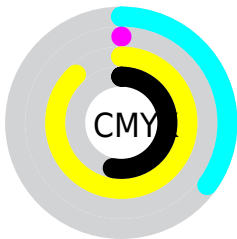
Blue (5%)



Red (5%)

Yellow (47%)

Blue (22%)

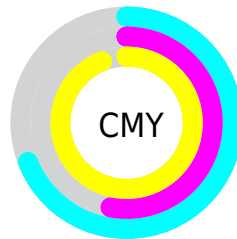


Cyan (35%)

Magenta (0%)

Yellow (88%)

Black (53%)



Cyan (69%)


Magenta (53%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.0843, 0.3571, 0.5421 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 15.0843, 0.3571, 0.5421 by changing the saturation by 10% instead.


 15.0843, 0.3571,
0.5421


 15.0843, 0.3571,
0.5421


 223.8759, 0.3400,
0.4131


 8.8786, 0.3543,
0.5806


 35.0010, 0.3544,
0.4897

 4.6621, 0.3520,
0.6480

 49.4808, 0.3520,
0.4716


 2.0504, 0.3078,
0.6922


 67.4873, 0.3496,
0.4570

 0.6365, 0.0000,
1.0000

 89.4051, 0.3473,
0.4450

 0.0000, 0.0000,
0.0000

 115.6184, 0.3452,
0.4350


 146.5117, 0.3433,

0.4265

 182.4694, 0.3416,
0.4193


 15.0843, 0.3571,
0.5421


 15.0843, 0.3571,
0.5421


 14.8638, 0.3544,
0.5550


 15.3363, 0.3581,
0.5257

 14.8277, 0.3540,
0.5572

 15.6249, 0.3570,
0.5050

 15.9537, 0.3537,
0.4809

 16.3251, 0.3487,
0.4547

 16.7413, 0.3424,
0.4275

■ 17.2043, 0.3351,
0.4002

■ 17.7160, 0.3273,
0.3737

■ 18.2783, 0.3193,
0.3486

■ 18.8926, 0.3114,
0.3251

Harmonies

Analogous

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



15.0843, 0.4526, 0.4916



15.0843, 0.3571, 0.5421



15.0843, 0.2561, 0.5045

Triad

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



15.0843, 0.3571, 0.5421



15.0843, 0.1355, 0.1934



15.0843, 0.4576, 0.2706

Complementary

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



15.0843, 0.3571, 0.5421



2.5145, 0.2018, 0.0979

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.



15.0843, 0.3410, 0.2136



15.0843, 0.3571, 0.5421



15.0843, 0.1670, 0.1702

Square

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



15.0843, 0.3571, 0.5421



15.0843, 0.1370, 0.2596



15.0843, 0.2351, 0.1784



15.0843, 0.5272, 0.3392

Rectangle

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



15.0843, 0.3571, 0.5421



15.0843, 0.1987, 0.4245



15.0843, 0.2351, 0.1784



15.0843, 0.4209, 0.2498

Sweetspot

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



15.0850, 0.3571, 0.5421



30.3993, 0.3339, 0.3958



6.7260, 0.5356, 0.3925



7.1480, 0.3360, 0.4032



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.



15.0850, 0.3571, 0.5421



25.9981, 0.3525, 0.5583



13.6912, 0.3065, 0.5801



4.5584, 0.3200, 0.3505



16.1662, 0.3537, 0.5574



76.6099, 0.3505, 0.5599

Inverse Universe

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



2.5145, 0.2018, 0.0979



3.3995, 0.1852, 0.0794



4.8375, 0.2961, 0.1478



3.9639, 0.3050, 0.3073



2.1464, 0.1872, 0.0805



9.7737, 0.1821, 0.0777

Previews

White Background



This preview shows how the Yxy color 15.0843, 0.3571, 0.5421 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 15.0843, 0.3571, 0.5421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

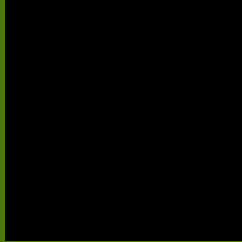
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.0843, 0.3571, 0.5421

Background



This preview shows how black text looks on a background with the Yxy color 15.0843, 0.3571, 0.5421.



This preview shows how white text looks on a background with the Yxy color 15.0843, 0.3571, 0.5421.

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

15.0843, 0.3571, 0.5421

Protanopia

14.8846, 0.4368, 0.4836

Deuteranopia

14.8161, 0.4574, 0.4487



Tritanopia

15.1425, 0.2753, 0.3096

Trichromacy



Original Color

15.0843, 0.3571, 0.5421

Protanomaly

14.6767, 0.4068, 0.5060

Deuteranomaly

14.6400, 0.4194, 0.4841

Tritanomaly

14.8491, 0.3141, 0.4059

Monochromacy



Original Color

15.0843, 0.3571, 0.5421

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

12.4178, 0.3409, 0.4210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0843, 0.3571, 0.5421 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(78, 120, 14)` looks like.

```
.text, #text, p{  
    color:rgb(78, 120, 14)  
}
```

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(78, 120, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 120, 14) }
```

Border

The CSS property to change the border of an element to Yxy 15.0843, 0.3571, 0.5421 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(78, 120, 14) }
```

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

```
.border{ border-color:rgb(78, 120, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 120, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 120, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 120, 14);  
box-shadow:4px 4px 4px 4px rgb(78, 120,  
14) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0843, 0.3571, 0.5421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 120, 14) }
```

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

```
.background{ background-color: rgb(78, 120,  
14) }
```

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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