

Converting Colors

$Y_{xy}(15.8111, 0.3658, 0.5298)$

Have a look what the booklet for
Yxy(15.8111, 0.3658, 0.5298)
contains.

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Color

Yxy(15.7515, 0.3659, 0.5290)

Conversions

Conversions Part 1

Format	Color
Hex	577914
RGB	87, 121, 20
RGB Percent	34%, 47%, 8%
CMY	0.6588, 0.5255, 0.9214
CMYK	0.28, 0.00, 0.83, 0.53
HSL	80°, 72%, 28%
HSV	80°, 83%, 47%
XYZ	10.8950, 15.7515, 3.1295
YIQ	99.3200, 12.1570, -38.6190

Conversions

Conversions Part 2

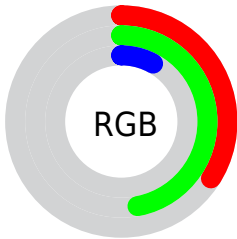
Format	Color
R_{YB}	20, 121, 54
Decimal	5732628
CIE _{Lab}	46.65, -27.14, 46.75
CIE _{LCh}	47, 54.058, 120.142
Yxy	15.7515, 0.3659, 0.5290
Android (android.graphics.Color)	4283922708 (0xFF577914)
YUV	99.3200, -39.1048, -10.8046
Hunter-Lab	39.6882, -20.4532, 23.1066

Details

The Yxy color **15.7515, 0.3659, 0.5290** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.6672, 0.1993, 0.1017**, and the grayscale version is **12.6627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.3420, 0.3597, 0.4808**, and **5.0280, 0.3455, 0.5639** is the 20% darker color. If you saturate the color by 10%, you get **15.5283, 0.3645, 0.5421**, and if you desaturate by 10%, it is **16.0083, 0.3650, 0.5115**.

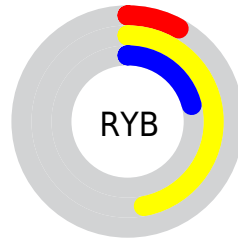
Distribution



Red (34%)

Green (47%)

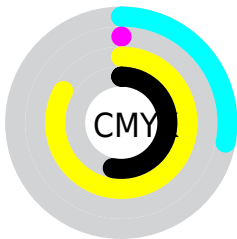
Blue (8%)



Red (8%)

Yellow (47%)

Blue (21%)

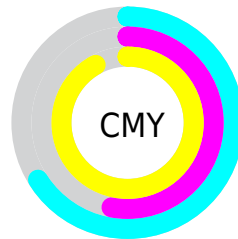


Cyan (28%)

Magenta (0%)

Yellow (83%)

Black (53%)



Cyan (66%)


Magenta (53%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7515, 0.3659, 0.5290 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 15.7515, 0.3659, 0.5290 by changing the saturation by 10% instead.


 15.7515, 0.3659,
0.5290


 15.7515, 0.3659,
0.5290


227.8709, 0.3428,
0.4093


 9.3485, 0.3658,
0.5641


 36.1663, 0.3603,
0.4809


 4.9692, 0.3705,
0.6295

 50.9468, 0.3571,
0.4641


 2.2292, 0.3332,
0.6668

 69.2886, 0.3541,
0.4505

 0.7358, 0.0476,
0.9524

 91.5761, 0.3513,
0.4393


 0.0000, 0.0000,
0.0000


 118.1937, 0.3489,
0.4299


 149.5258, 0.3466,

0.4220


 185.9567, 0.3446,
0.4152


 15.7515, 0.3659,
0.5290


 15.7515, 0.3659,
0.5290


 15.5283, 0.3645,
0.5421


 16.0083, 0.3650,
0.5115

 15.3918, 0.3632,
0.5498

 16.2998, 0.3619,
0.4902

 16.6294, 0.3568,
0.4660

 16.9992, 0.3501,
0.4401

 17.4113, 0.3422,
0.4134

■ 17.8677, 0.3336,
0.3869

■ 18.3700, 0.3247,
0.3612

■ 18.9199, 0.3158,
0.3370

■ 19.5189, 0.3070,
0.3144

Harmonies

Analogous

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



15.7515, 0.4552, 0.4797



15.7515, 0.3659, 0.5290



15.7515, 0.2686, 0.5007

Triad

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



15.7515, 0.3659, 0.5290



15.7515, 0.1414, 0.2039



15.7515, 0.4408, 0.2682

Complementary

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



15.7515, 0.3659, 0.5290



2.6672, 0.1993, 0.1017

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.



15.7515, 0.3298, 0.2146



15.7515, 0.3659, 0.5290



15.7515, 0.1691, 0.1776

Square

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



15.7515, 0.3659, 0.5290



15.7515, 0.1464, 0.2724



15.7515, 0.2316, 0.1828



15.7515, 0.5130, 0.3343

Rectangle

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



15.7515, 0.3659, 0.5290



15.7515, 0.2116, 0.4303



15.7515, 0.2316, 0.1828



15.7515, 0.4053, 0.2485

Sweetspot

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



15.7522, 0.3659, 0.5290



31.8105, 0.3356, 0.3926



6.7254, 0.5320, 0.3840



7.2203, 0.3380, 0.4000



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.



15.7522, 0.3659, 0.5290



27.4834, 0.3619, 0.5509



14.1163, 0.3111, 0.5688



4.5696, 0.3208, 0.3505



16.4883, 0.3630, 0.5499



78.1693, 0.3602, 0.5522

Inverse Universe

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



2.6672, 0.1993, 0.1017



3.2351, 0.1761, 0.0744



4.8356, 0.2876, 0.1475



3.9531, 0.3041, 0.3072



1.9730, 0.1781, 0.0755



8.9877, 0.1732, 0.0728

Previews

White Background



This preview shows how the Yxy color 15.7515, 0.3659, 0.5290 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 15.7515, 0.3659, 0.5290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

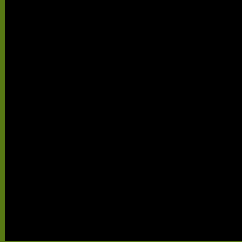
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.7515, 0.3659, 0.5290

Background



This preview shows how black text looks on a background with the Yxy color 15.7515, 0.3659, 0.5290.



This preview shows how white text looks on a background with the Yxy color 15.7515, 0.3659, 0.5290.

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

15.7515, 0.3659, 0.5290

Protanopia

15.6944, 0.4323, 0.4813

Deuteranopia

15.6859, 0.4548, 0.4477



Tritanopia

15.8121, 0.2836, 0.3102

Trichromacy



Original Color

15.7515, 0.3659, 0.5290

Protanomaly

15.6846, 0.4074, 0.4994

Deuteranomaly

15.4365, 0.4217, 0.4780

Tritanomaly

15.5263, 0.3209, 0.3985

Monochromacy



Original Color

15.7515, 0.3659, 0.5290

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

13.3905, 0.3435, 0.4150

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7515, 0.3659, 0.5290 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(87, 121, 20)` looks like.

```
.text, #text, p{  
    color:rgb(87, 121, 20)  
}
```

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(87, 121, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 121, 20) }
```

Border

The CSS property to change the border of an element to Yxy 15.7515, 0.3659, 0.5290 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(87, 121, 20) }
```

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

```
.border{ border-color:rgb(87, 121, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 121, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 121, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 121, 20);  
box-shadow:4px 4px 4px 4px rgb(87, 121,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7515, 0.3659, 0.5290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 121, 20) }
```

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

```
.background{ background-color: rgb(87, 121,  
20) }
```

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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