

Converting Colors

$Y_{xy}(14.7730, 0.3048, 0.5961)$

Have a look what the booklet for
Yxy(14.7730, 0.3048, 0.5961)
contains.

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Color

Yxy(14.7864, 0.3050, 0.5961)

Conversions

Conversions Part 1

Format	Color
Hex	117D00
RGB	17, 125, 0
RGB Percent	7%, 49%, 0%
CMY	0.9330, 0.5098, 1.0000
CMYK	0.86, 0.00, 1.00, 0.51
HSL	112°, 100%, 25%
HSV	112°, 100%, 49%
XYZ	7.5656, 14.7864, 2.4532
YIQ	78.4580, -24.2430, -61.7710

Conversions

Conversions Part 2

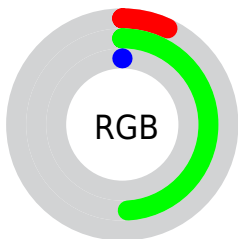
Format	Color
RYB	0, 125, 108
Decimal	1146112
CIELab	45.34, -49.32, 49.27
CIELCh	45, 69.711, 135.026
Yxy	14.7864, 0.3050, 0.5961
Android (android.graphics.Color)	4279336192 (0xFF117D00)
YUV	78.4580, -38.6798, -53.8987
Hunter-Lab	38.4531, -32.1733, 23.1346

Details

The Yxy color **14.7864, 0.3050, 0.5961** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **4.6635, 0.2877, 0.1359**, and the grayscale version is **7.7936, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.5775, 0.3174, 0.5262**, and **4.8976, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **14.7872, 0.3050, 0.5960**, and if you desaturate by 10%, it is **14.9401, 0.3071, 0.5824**.

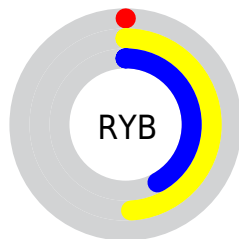
Distribution



Red (7%)

Green (49%)

Blue (0%)



Red (0%)

Yellow (49%)

Blue (42%)

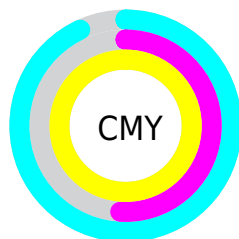


Cyan (86%)

Magenta (0%)

Yellow (100%)

Black (51%)



Cyan (93%)


Magenta (51%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.7864, 0.3050, 0.5961 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 14.7864, 0.3050, 0.5961 by changing the saturation by 10% instead.


 14.7864, 0.3050,
0.5961


 14.7864, 0.3050,
0.5961


222.0697, 0.3220,
0.4288


 8.6696, 0.2897,
0.6493


 34.4780, 0.3174,
0.5262


 4.5263, 0.2645,
0.7355

 48.8217, 0.3198,
0.5027


 1.9721, 0.1722,
0.8278

 66.6764, 0.3211,
0.4839

 0.5912, 0.0000,
1.0000

 88.4265, 0.3218,
0.4687

 0.0000, 0.0000,
0.0000

 114.4565, 0.3221,
0.4561

 145.1508, 0.3221,


0.4455


 180.8937, 0.3221,
0.4365


 14.7864, 0.3050,
0.5961


 14.7864, 0.3050,
0.5961

 14.7872, 0.3050,
0.5960

 14.9401, 0.3071,
0.5824

 15.1623, 0.3098,
0.5636

 15.4684, 0.3119,
0.5383

 15.8660, 0.3135,
0.5082

 16.3617, 0.3145,
0.4757

■ 16.9616, 0.3149,
0.4426

■ 17.6712, 0.3148,
0.4105

■ 18.4956, 0.3144,
0.3806

■ 19.4396, 0.3136,
0.3534

Harmonies

Analogous

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



14.7864, 0.4223, 0.5495



14.7864, 0.3050, 0.5961



14.7864, 0.1952, 0.4962

Triad

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



14.7864, 0.3050, 0.5961



14.7864, 0.1175, 0.1528



14.7864, 0.5367, 0.2859

Complementary

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



14.7864, 0.3050, 0.5961



4.6635, 0.2877, 0.1359

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.



14.7864, 0.4061, 0.2163



14.7864, 0.3050, 0.5961



14.7864, 0.1672, 0.1443

Square

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



14.7864, 0.3050, 0.5961



14.7864, 0.1035, 0.2022



14.7864, 0.2638, 0.1662



14.7864, 0.5766, 0.3633

Rectangle

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



14.7864, 0.3050, 0.5961



14.7864, 0.1427, 0.3746



14.7864, 0.2638, 0.1662



14.7864, 0.5003, 0.2615

Sweetspot

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



14.7872, 0.3050, 0.5960



31.5459, 0.3148, 0.4128



14.7196, 0.4474, 0.4829



7.0720, 0.3149, 0.4237



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.



14.7872, 0.3050, 0.5960



26.4395, 0.3040, 0.5968



14.8472, 0.2836, 0.5410



4.8448, 0.3135, 0.3511



15.4314, 0.3049, 0.5961



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.6635, 0.2877, 0.1359



8.3049, 0.2869, 0.1354



4.9578, 0.4294, 0.2139



4.3836, 0.3117, 0.3076



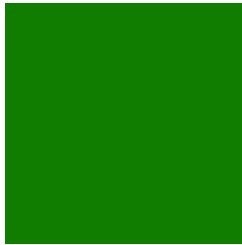
4.8651, 0.2877, 0.1358



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 14.7864, 0.3050, 0.5961 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

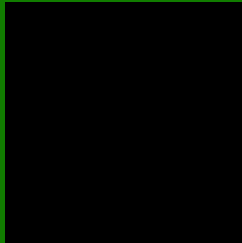
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.7864, 0.3050, 0.5961

Background



This preview shows how black text looks on a background with the Yxy color 14.7864, 0.3050, 0.5961.



This preview shows how white text looks on a background with the Yxy color 14.7864, 0.3050, 0.5961.

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

14.7864, 0.3050, 0.5961

Protanopia

14.5803, 0.4404, 0.4885

Deuteranopia

14.4548, 0.4561, 0.4490



Tritanopia

14.7814, 0.2388, 0.3060

Trichromacy



Original Color

14.7864, 0.3050, 0.5961



Protanomaly

13.8736, 0.3739, 0.5413



Deuteranomaly

13.4165, 0.3843, 0.5160



Tritanomaly

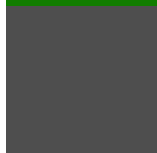
14.2443, 0.2709, 0.4307

Monochromacy



Original Color

14.7864, 0.3050, 0.5961



Achromatopsia

7.6185, 0.3127, 0.3290



Achromatomaly

9.2555, 0.3145, 0.4622

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7864, 0.3050, 0.5961 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(17, 125, 0)` looks like.

```
.text, #text, p{  
    color:rgb(17, 125, 0)  
}
```

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(17, 125, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 125, 0) }
```

Border

The CSS property to change the border of an element to Yxy 14.7864, 0.3050, 0.5961 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(17, 125, 0) }
```

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

```
.border{ border-color:rgb(17, 125, 0) }
```

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

Here you see how a box with a 4 pixel rgb(17, 125, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 125, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 125, 0);  
box-shadow:4px 4px 4px 4px rgb(17, 125, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.7864, 0.3050, 0.5961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 125, 0) }
```

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

```
.background{ background-color: rgb(17, 125,  
0) }
```

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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