

Converting Colors

$Y_{xy}(14.7175, 0.3041, 0.5967)$

Have a look what the booklet for
Yxy(14.7175, 0.3041, 0.5967)
contains.

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Color

Yxy(14.7688, 0.3042, 0.5966)

Conversions

Conversions Part 1

Format	Color
Hex	0F7D00
RGB	15, 125, 0
RGB Percent	6%, 49%, 0%
CMY	0.9413, 0.5098, 0.9997
CMYK	0.88, 0.00, 1.00, 0.51
HSL	113°, 100%, 25%
HSV	113°, 100%, 49%
XYZ	7.5305, 14.7688, 2.4557
YIQ	77.8600, -25.4350, -62.1950

Conversions

Conversions Part 2

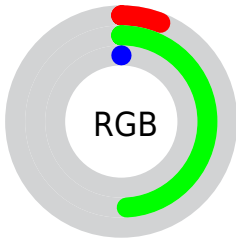
Format	Color
RYB	0, 125, 110
Decimal	1015040
CIELab	45.32, -49.54, 49.21
CIELCh	45, 69.830, 135.194
Yxy	14.7688, 0.3042, 0.5966
Android (android.graphics.Color)	4279205120 (0xFF0F7D00)
YUV	77.8600, -38.3850, -55.1282
Hunter-Lab	38.4302, -32.2755, 23.1125

Details

The Yxy color **14.7688, 0.3042, 0.5966** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **4.8048, 0.2920, 0.1383**, and the grayscale version is **7.6680, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.5304, 0.3167, 0.5266**, and **4.8976, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **14.7687, 0.3042, 0.5967**, and if you desaturate by 10%, it is **14.9152, 0.3061, 0.5831**.

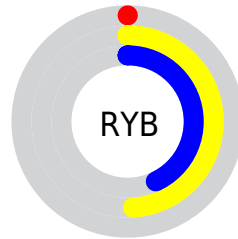
Distribution



Red (6%)

Green (49%)

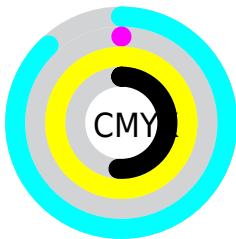
Blue (0%)



Red (0%)

Yellow (49%)

Blue (43%)

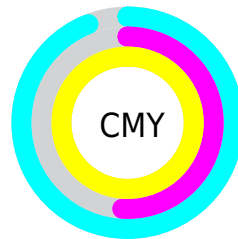


Cyan (88%)

Magenta (0%)

Yellow (100%)

Black (51%)



Cyan (94%)


Magenta (51%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.7688, 0.3042, 0.5966 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 14.7688, 0.3042, 0.5966 by changing the saturation by 10% instead.


 14.7688, 0.3042,
0.5966


 14.7688, 0.3042,
0.5966

221.9625, 0.3216,
0.4289


 8.6573, 0.2887,
0.6500


 34.4471, 0.3168,
0.5265


 4.5183, 0.2633,
0.7367

 48.7826, 0.3192,
0.5029


 1.9675, 0.1697,
0.8303

 66.6283, 0.3206,
0.4841

 0.5885, 0.0000,
1.0000


 88.3685, 0.3213,
0.4688


 0.0000, 0.0000,
0.0000


 114.3876, 0.3217,
0.4562

 145.0701, 0.3218,


0.4456


 180.8003, 0.3218,
0.4366


 14.7688, 0.3042,
0.5966


 14.7688, 0.3042,
0.5966

 14.7687, 0.3042,
0.5967

 14.9152, 0.3061,
0.5831

 15.1315, 0.3085,
0.5643

 15.4335, 0.3106,
0.5389

 15.8289, 0.3123,
0.5087

 16.3248, 0.3133,
0.4760

■ 16.9276, 0.3139,
0.4427

■ 17.6428, 0.3140,
0.4106

■ 18.4760, 0.3138,
0.3805

■ 19.4321, 0.3134,
0.3532

Harmonies

Analogous

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



14.7688, 0.4217, 0.5503



14.7688, 0.3042, 0.5966



14.7688, 0.1944, 0.4956

Triad

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



14.7688, 0.3042, 0.5966



14.7688, 0.1175, 0.1524



14.7688, 0.5376, 0.2862

Complementary

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



14.7688, 0.3042, 0.5966



4.8048, 0.2920, 0.1383

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.



14.7688, 0.4071, 0.2165



14.7688, 0.3042, 0.5966



14.7688, 0.1674, 0.1440

Square

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



14.7688, 0.3042, 0.5966



14.7688, 0.1033, 0.2016



14.7688, 0.2644, 0.1662



14.7688, 0.5769, 0.3637

Rectangle

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



14.7688, 0.3042, 0.5966



14.7688, 0.1421, 0.3736



14.7688, 0.2644, 0.1662



14.7688, 0.5014, 0.2617

Sweetspot

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



14.7694, 0.3042, 0.5966



31.4842, 0.3140, 0.4130



15.1586, 0.4440, 0.4856



7.0572, 0.3140, 0.4239



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.



14.7694, 0.3042, 0.5966



26.4085, 0.3033, 0.5974



14.8648, 0.2823, 0.5363



4.8414, 0.3133, 0.3511



15.4114, 0.3041, 0.5967



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.8048, 0.2920, 0.1383



8.5586, 0.2913, 0.1378



4.9292, 0.4357, 0.2174



4.3872, 0.3120, 0.3076



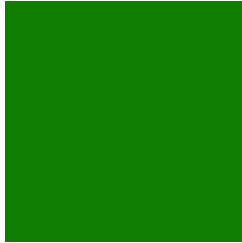
5.0103, 0.2920, 0.1382



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 14.7688, 0.3042, 0.5966 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 14.7688, 0.3042, 0.5966 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 14.7688, 0.3042, 0.5966

Background



This preview shows how black text looks on a background with the Yxy color 14.7688, 0.3042, 0.5966.



This preview shows how white text looks on a background with the Yxy color 14.7688, 0.3042, 0.5966.

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

14.7688, 0.3042, 0.5966

Protanopia

14.5803, 0.4404, 0.4885

Deuteranopia

14.4548, 0.4561, 0.4490



Tritanopia

14.7814, 0.2388, 0.3060

Trichromacy



Original Color

14.7688, 0.3042, 0.5966

Protanomaly

13.8285, 0.3725, 0.5424

Deuteranomaly

13.4165, 0.3843, 0.5160

Tritanomaly

14.2240, 0.2702, 0.4309

Monochromacy



Original Color

14.7688, 0.3042, 0.5966

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

9.2269, 0.3131, 0.4627

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7688, 0.3042, 0.5966 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(15, 125, 0)` looks like.

```
.text, #text, p{  
    color:rgb(15, 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(15, 125, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 125, 0) }
```

Border

The CSS property to change the border of an element to Yxy 14.7688, 0.3042, 0.5966 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(15, 125, 0) }
```

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

```
.border{ border-color:rgb(15, 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(15, 125, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 125, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 125, 0);  
box-shadow:4px 4px 4px 4px rgb(15, 125, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.7688, 0.3042, 0.5966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 125, 0) }
```

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

```
.background{ background-color: rgb(15, 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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