

Converting Colors

$Y_{xy}(15.5645, 0.3100, 0.5920)$

Have a look what the booklet for
Yxy(15.5645, 0.3100, 0.5920)
contains.

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Color

Yxy(15.6996, 0.3102, 0.5919)

Conversions

Conversions Part 1

Format	Color
Hex	1D8000
RGB	29, 128, 0
RGB Percent	11%, 50%, 0%
CMY	0.8859, 0.4980, 1.0000
CMYK	0.77, 0.00, 1.00, 0.50
HSL	106°, 100%, 25%
HSV	106°, 100%, 50%
XYZ	8.2278, 15.6996, 2.5967
YIQ	83.8070, -17.9160, -60.7960

Conversions

Conversions Part 2

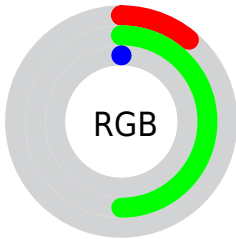
Format	Color
RYB	0, 128, 99
Decimal	1933312
CIELab	46.58, -48.55, 50.32
CIELCh	47, 69.926, 133.972
Yxy	15.6996, 0.3102, 0.5919
Android (android.graphics.Color)	4280123392 (0xFF1D8000)
YUV	83.8070, -41.3169, -48.0657
Hunter-Lab	39.6227, -32.2737, 23.8503

Details

The Yxy color **15.6996, 0.3102, 0.5919** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **4.2067, 0.2657, 0.1237**, and the grayscale version is **8.9191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1014, 0.3206, 0.5245**, and **5.3078, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **15.7001, 0.3102, 0.5919**, and if you desaturate by 10%, it is **15.8973, 0.3135, 0.5778**.

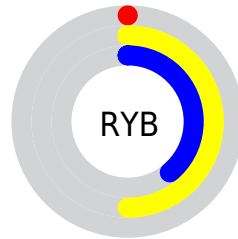
Distribution



Red (11%)

Green (50%)

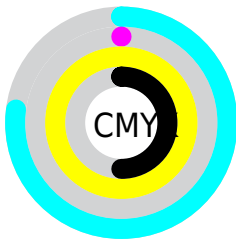
Blue (0%)



Red (0%)

Yellow (50%)

Blue (39%)

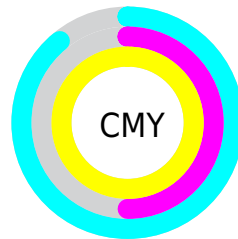


Cyan (77%)

Magenta (0%)

Yellow (100%)

Black (50%)



Cyan (89%)


Magenta (50%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.6996, 0.3102, 0.5919 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 15.6996, 0.3102, 0.5919 by changing the saturation by 10% instead.


 15.6996, 0.3102,
0.5919


 15.6996, 0.3102,
0.5919


227.5625, 0.3240,
0.4290


 9.3118, 0.2962,
0.6423


 36.0759, 0.3211,
0.5245


 4.9451, 0.2744,
0.7256

 50.8332, 0.3231,
0.5016

 2.2151, 0.2016,
0.7984

 69.1492, 0.3240,
0.4833

 0.7282, 0.0000,
1.0000

 91.4082, 0.3244,
0.4683

 0.0000, 0.0000,
0.0000

 117.9947, 0.3245,
0.4559


 149.2929, 0.3244,

0.4455


 185.6874, 0.3242,
0.4366


 15.6996, 0.3102,
0.5919


 15.6996, 0.3102,
0.5919

 15.7001, 0.3102,
0.5919

 15.8973, 0.3135,
0.5778

 16.1604, 0.3169,
0.5589

 16.5029, 0.3192,
0.5340

 16.9312, 0.3205,
0.5048

 17.4509, 0.3208,
0.4732

■ 18.0670, 0.3202,
0.4410

■ 18.7843, 0.3189,
0.4097

■ 19.6072, 0.3171,
0.3803

■ 20.5398, 0.3150,
0.3533

Harmonies

Analogous

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



15.6996, 0.4259, 0.5440



15.6996, 0.3102, 0.5919



15.6996, 0.2007, 0.4988

Triad

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



15.6996, 0.3102, 0.5919



15.6996, 0.1186, 0.1559



15.6996, 0.5298, 0.2843

Complementary

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



15.6996, 0.3102, 0.5919



4.2067, 0.2657, 0.1237

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.



15.6996, 0.3995, 0.2157



15.6996, 0.3102, 0.5919



15.6996, 0.1666, 0.1461

Square

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



15.6996, 0.3102, 0.5919



15.6996, 0.1059, 0.2070



15.6996, 0.2605, 0.1668



15.6996, 0.5734, 0.3611

Rectangle

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



15.6996, 0.3102, 0.5919



15.6996, 0.1473, 0.3803



15.6996, 0.2605, 0.1668



15.6996, 0.4930, 0.2602

Sweetspot

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



15.7003, 0.3102, 0.5919



32.9800, 0.3190, 0.4119



13.3494, 0.4659, 0.4683



7.6128, 0.3195, 0.4228



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



15.7003, 0.3102, 0.5919



27.5873, 0.3090, 0.5929



15.5541, 0.2895, 0.5622



4.8622, 0.3148, 0.3510



15.5690, 0.3102, 0.5919



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.2067, 0.2657, 0.1237



7.3402, 0.2644, 0.1230



5.3950, 0.3993, 0.1974



4.3647, 0.3104, 0.3075



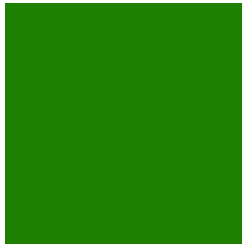
4.1717, 0.2657, 0.1237



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.6996, 0.3102, 0.5919 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

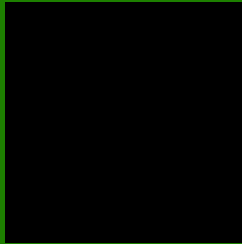
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.6996, 0.3102, 0.5919

Background



This preview shows how black text looks on a background with the Yxy color 15.6996, 0.3102, 0.5919.



This preview shows how white text looks on a background with the Yxy color 15.6996, 0.3102, 0.5919.

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

15.6996, 0.3102, 0.5919

Protanopia

15.4369, 0.4399, 0.4889

Deuteranopia

15.3830, 0.4571, 0.4499



Tritanopia

15.7393, 0.2421, 0.3067

Trichromacy



Original Color

15.6996, 0.3102, 0.5919

Protanomaly

14.8464, 0.3792, 0.5371

Deuteranomaly

14.4474, 0.3912, 0.5118

Tritanomaly

15.1812, 0.2759, 0.4297

Monochromacy



Original Color

15.6996, 0.3102, 0.5919

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

10.4614, 0.3211, 0.4593

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6996, 0.3102, 0.5919 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(29, 128, 0)` looks like.

```
.text, #text, p{  
  color:rgb(29, 128, 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(29, 128, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 128, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.6996, 0.3102, 0.5919 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(29, 128, 0) }
```

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

```
.border{ border-color:rgb(29, 128, 0) }
```

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

Here you see how a box with a 4 pixel rgb(29, 128, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 128, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 128, 0);  
box-shadow:4px 4px 4px 4px rgb(29, 128, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.6996, 0.3102, 0.5919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 128, 0) }
```

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

```
.background{ background-color: rgb(29, 128,  
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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