

Converting Colors

$Y_{xy}(11.8447, 0.3109, 0.5913)$

Have a look what the booklet for
Yxy(11.8447, 0.3109, 0.5913)
contains.

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Color

$Y_{xy}(11.7950, 0.3107, 0.5915)$

Conversions

Conversions Part 1

Format	Color
Hex	197000
RGB	25, 112, 0
RGB Percent	10%, 44%, 0%
CMY	0.9018, 0.5608, 1.0000
CMYK	0.78, 0.00, 1.00, 0.56
HSL	107°, 100%, 22%
HSV	107°, 100%, 44%
XYZ	6.1956, 11.7950, 1.9502
YIQ	73.2190, -15.9000, -53.2760

Conversions

Conversions Part 2

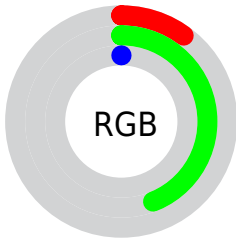
Format	Color
RYB	0, 112, 87
Decimal	1667072
CIELab	40.89, -43.98, 45.76
CIELCh	41, 63.466, 133.868
Yxy	11.7950, 0.3107, 0.5915
Android (android.graphics.Color)	4279857152 (0xFF197000)
YUV	73.2190, -36.0970, -42.2881
Hunter-Lab	34.3438, -27.9004, 20.6739

Details

The Yxy color **11.7950, 0.3107, 0.5915** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **3.1954, 0.2674, 0.1247**, and the grayscale version is **6.7715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.2149, 0.3217, 0.5191**, and **3.5550, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **11.7954, 0.3107, 0.5915**, and if you desaturate by 10%, it is **11.9485, 0.3137, 0.5761**.

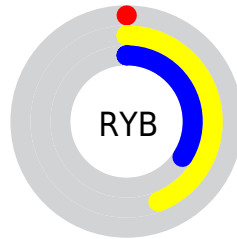
Distribution



Red (10%)

Green (44%)

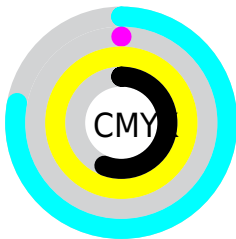
Blue (0%)



Red (0%)

Yellow (44%)

Blue (34%)

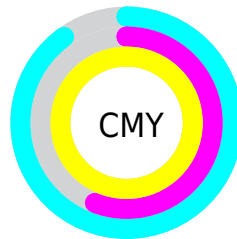


Cyan (78%)

Magenta (0%)

Yellow (100%)

Black (56%)



Cyan (90%)


Magenta (56%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7950, 0.3107, 0.5915 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 11.7950, 0.3107, 0.5915 by changing the saturation by 10% instead.


 11.7950, 0.3107,
0.5915

 11.7950, 0.3107,
0.5915


 203.0434, 0.3239,
0.4229


 6.6042, 0.2966,
0.6516


 29.1212, 0.3220,
0.5193


 3.2159, 0.2646,
0.7354

 42.0254, 0.3237,
0.4955


 1.2454, 0.0547,
0.9453

 58.2696, 0.3245,
0.4768

 0.0984, 0.0000,
1.0000


 78.2381, 0.3248,
0.4617


 0.0000, 0.0000,
0.0000


 102.3153, 0.3247,
0.4493

 130.8857, 0.3245,


0.4390

 164.3336, 0.3242,
0.4303


 11.7950, 0.3107,
0.5915


 11.7950, 0.3107,
0.5915


 11.7954, 0.3107,
0.5915

 11.9485, 0.3137,
0.5761

 12.1492, 0.3169,
0.5567

 12.4087, 0.3191,
0.5316

 12.7315, 0.3203,
0.5024

 13.1217, 0.3205,
0.4711

■ 13.5830, 0.3199,
0.4393

■ 14.1188, 0.3187,
0.4085

■ 14.7322, 0.3169,
0.3795

■ 15.4262, 0.3149,
0.3530

Harmonies

Analogous

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



11.7950, 0.4270, 0.5444



11.7950, 0.3107, 0.5915



11.7950, 0.2012, 0.4990

Triad

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



11.7950, 0.3107, 0.5915



11.7950, 0.1187, 0.1562



11.7950, 0.5292, 0.2842

Complementary

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



11.7950, 0.3107, 0.5915



3.1954, 0.2674, 0.1247

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.



11.7950, 0.3989, 0.2156



11.7950, 0.3107, 0.5915



11.7950, 0.1665, 0.1462

Square

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



11.7950, 0.3107, 0.5915



11.7950, 0.1061, 0.2075



11.7950, 0.2602, 0.1669



11.7950, 0.5731, 0.3609

Rectangle

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



11.7950, 0.3107, 0.5915



11.7950, 0.1477, 0.3809



11.7950, 0.2602, 0.1669



11.7950, 0.4923, 0.2600

Sweetspot

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



11.7955, 0.3107, 0.5915



24.7234, 0.3188, 0.4109



10.0795, 0.4651, 0.4689



5.8632, 0.3192, 0.4208



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



11.7955, 0.3107, 0.5915



20.6726, 0.3093, 0.5926



11.6816, 0.2889, 0.5598



3.7959, 0.3147, 0.3505



13.6268, 0.3103, 0.5918



67.5554, 0.3074, 0.5941

Inverse Universe

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



3.1954, 0.2674, 0.1247



5.5578, 0.2660, 0.1239



4.0563, 0.3980, 0.1967



3.4177, 0.3105, 0.3080



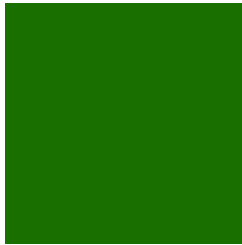
3.6835, 0.2670, 0.1244



17.9553, 0.2639, 0.1228

Previews

White Background



This preview shows how the Yxy color 11.7950, 0.3107, 0.5915 looks on a white background.

Color Contrast Check

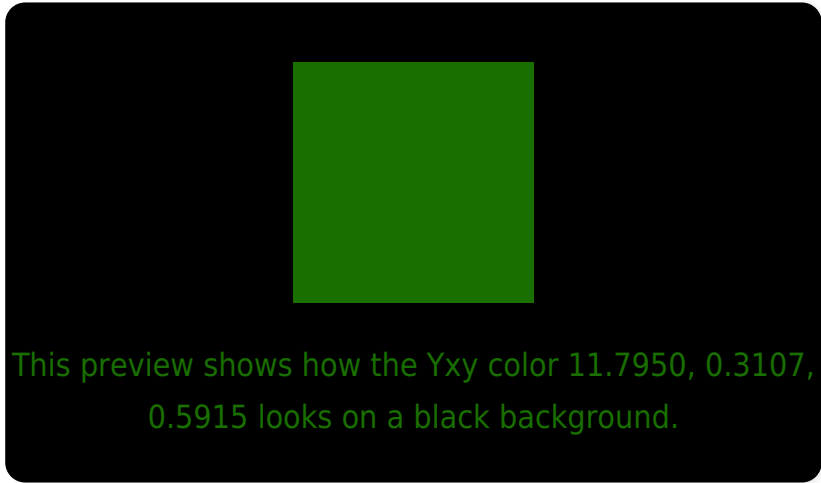
Large Text (above 18pt) WCAG AA ✓ Pass

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

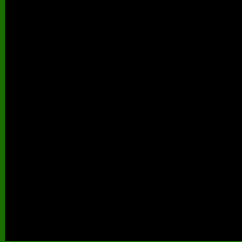
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7950, 0.3107, 0.5915

Background



This preview shows how black text looks on a background with the Yxy color 11.7950, 0.3107, 0.5915.



This preview shows how white text looks on a background with the Yxy color 11.7950, 0.3107, 0.5915.

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

11.7950, 0.3107, 0.5915

Protanopia

11.5539, 0.4392, 0.4895

Deuteranopia

11.6131, 0.4555, 0.4486



Tritanopia

11.8229, 0.2423, 0.3064

Trichromacy



Original Color

11.7950, 0.3107, 0.5915

Protanomaly

11.1224, 0.3805, 0.5361

Deuteranomaly

10.9366, 0.3911, 0.5100

Tritanomaly

11.4755, 0.2753, 0.4280

Monochromacy



Original Color

11.7950, 0.3107, 0.5915

Achromatopsia

6.6626, 0.3127, 0.3290

Achromatomaly

7.8544, 0.3217, 0.4568

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7950, 0.3107, 0.5915 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(25, 112, 0)` looks like.

```
.text, #text, p{  
    color:rgb(25, 112, 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(25, 112, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 112, 0) }
```

Border

The CSS property to change the border of an element to Yxy 11.7950, 0.3107, 0.5915 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(25, 112, 0) }
```

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

```
.border{ border-color:rgb(25, 112, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 112, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 112, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 112, 0);  
box-shadow:4px 4px 4px 4px rgb(25, 112, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.7950, 0.3107, 0.5915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 112, 0) }
```

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

```
.background{ background-color: rgb(25, 112,  
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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