

Converting Colors

$Y_{xy}(11.7507, 0.3062, 0.5951)$

Have a look what the booklet for
Yxy(11.7507, 0.3062, 0.5951)
contains.

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Color

Yxy(11.7075, 0.3062, 0.5950)

Conversions

Conversions Part 1

Format	Color
Hex	117000
RGB	17, 112, 0
RGB Percent	7%, 44%, 0%
CMY	0.9335, 0.5608, 0.9997
CMYK	0.85, 0.00, 1.00, 0.56
HSL	111°, 100%, 22%
HSV	111°, 100%, 44%
XYZ	6.0249, 11.7075, 1.9440
YIQ	70.8270, -20.6680, -54.9720

Conversions

Conversions Part 2

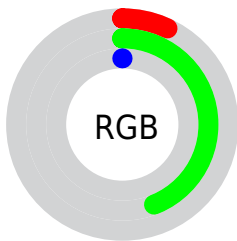
Format	Color
RYB	0, 112, 95
Decimal	1142784
CIELab	40.75, -45.24, 45.57
CIELCh	41, 64.210, 134.793
Yxy	11.7075, 0.3062, 0.5950
Android (android.graphics.Color)	4279332864 (0xFF117000)
YUV	70.8270, -34.9177, -47.2063
Hunter-Lab	34.2162, -28.4474, 20.5827

Details

The Yxy color **11.7075, 0.3062, 0.5950** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **3.6110, 0.2848, 0.1343**, and the grayscale version is **6.3321, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0303, 0.3185, 0.5210**, and **3.5550, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **11.7073, 0.3062, 0.5951**, and if you desaturate by 10%, it is **11.8397, 0.3084, 0.5800**.

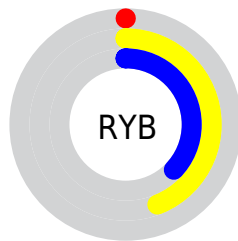
Distribution



Red (7%)

Green (44%)

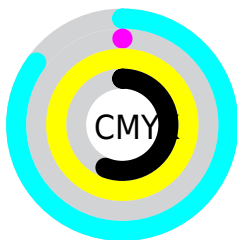
Blue (0%)



Red (0%)

Yellow (44%)

Blue (37%)

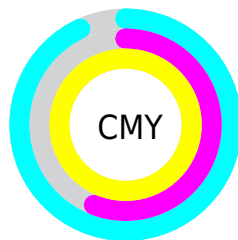


Cyan (85%)

Magenta (0%)

Yellow (100%)

Black (56%)



Cyan (93%)


Magenta (56%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.7075, 0.3062, 0.5950 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 11.7075, 0.3062, 0.5950 by changing the saturation by 10% instead.


 11.7075, 0.3062,
0.5950


 11.7075, 0.3062,
0.5950


 202.4591, 0.3222,
0.4236


 6.5448, 0.2911,
0.6567


 28.9612, 0.3187,
0.5213


 3.1791, 0.2573,
0.7427

 41.8211, 0.3209,
0.4971

 1.2259, 0.0212,
0.9788

 58.0155, 0.3220,
0.4781

 0.0827, 0.0000,
1.0000

 77.9288, 0.3225,
0.4628


 0.0000, 0.0000,
0.0000


 101.9454, 0.3227,
0.4503

 130.4498, 0.3226,

0.4399


 163.8262, 0.3225,
0.4311


 11.7075, 0.3062,
0.5950


 11.7075, 0.3062,
0.5950

 11.7073, 0.3062,
0.5951

 11.8397, 0.3084,
0.5800

 12.0235, 0.3110,
0.5606

 12.2716, 0.3132,
0.5351

 12.5897, 0.3147,
0.5053

 12.9824, 0.3155,
0.4731

■ 13.4542, 0.3157,
0.4406

■ 14.0091, 0.3154,
0.4091

■ 14.6510, 0.3148,
0.3797

■ 15.3833, 0.3138,
0.3529

Harmonies

Analogous

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



11.7075, 0.4239, 0.5492



11.7075, 0.3062, 0.5950



11.7075, 0.1965, 0.4967

Triad

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



11.7075, 0.3062, 0.5950



11.7075, 0.1178, 0.1536



11.7075, 0.5350, 0.2856

Complementary

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



11.7075, 0.3062, 0.5950



3.6110, 0.2848, 0.1343

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.



11.7075, 0.4046, 0.2162



11.7075, 0.3062, 0.5950



11.7075, 0.1671, 0.1447

Square

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



11.7075, 0.3062, 0.5950



11.7075, 0.1041, 0.2034



11.7075, 0.2631, 0.1664



11.7075, 0.5758, 0.3628

Rectangle

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



11.7075, 0.3062, 0.5950



11.7075, 0.1438, 0.3759



11.7075, 0.2631, 0.1664



11.7075, 0.4986, 0.2612

Sweetspot

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



11.7080, 0.3062, 0.5950



24.5205, 0.3155, 0.4117



11.3350, 0.4505, 0.4804



5.8115, 0.3156, 0.4219



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.



11.7080, 0.3062, 0.5950



20.5276, 0.3051, 0.5960



11.7256, 0.2843, 0.5433



3.7852, 0.3137, 0.3505



13.5262, 0.3059, 0.5953



67.1347, 0.3037, 0.5971

Inverse Universe

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



3.6110, 0.2848, 0.1343



6.2980, 0.2838, 0.1337



3.9503, 0.4216, 0.2097



3.4292, 0.3115, 0.3081



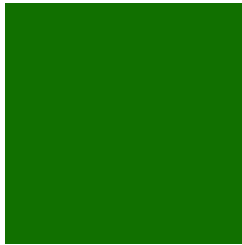
4.1642, 0.2845, 0.1341



20.4459, 0.2824, 0.1329

Previews

White Background



This preview shows how the Yxy color 11.7075, 0.3062, 0.5950 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

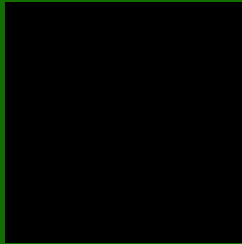
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7075, 0.3062, 0.5950

Background



This preview shows how black text looks on a background with the Yxy color 11.7075, 0.3062, 0.5950.



This preview shows how white text looks on a background with the Yxy color 11.7075, 0.3062, 0.5950.

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

11.7075, 0.3062, 0.5950

Protanopia

11.5539, 0.4392, 0.4895

Deuteranopia

11.6131, 0.4555, 0.4486



Tritanopia

11.7459, 0.2398, 0.3063

Trichromacy



Original Color

11.7075, 0.3062, 0.5950

Protanomaly

10.9986, 0.3757, 0.5399

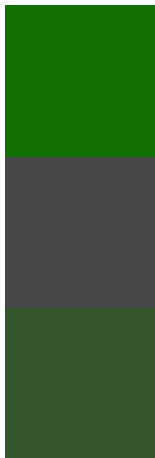
Deuteranomaly

10.7972, 0.3861, 0.5136

Tritanomaly

11.3766, 0.2712, 0.4291

Monochromacy



Original Color

11.7075, 0.3062, 0.5950

Achromatopsia

6.3010, 0.3127, 0.3290

Achromatomaly

7.5488, 0.3154, 0.4608

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7075, 0.3062, 0.5950 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, 112, 0)` looks like.

```
.text, #text, p{  
    color:rgb(17, 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(17, 112, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 112, 0) }
```

Border

The CSS property to change the border of an element to Yxy 11.7075, 0.3062, 0.5950 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, 112, 0) }
```

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

```
.border{ border-color:rgb(17, 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(17, 112, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 112, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 112, 0);  
box-shadow:4px 4px 4px 4px rgb(17, 112, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.7075, 0.3062, 0.5950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 112, 0) }
```

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

```
.background{ background-color: rgb(17, 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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