

Converting Colors

$Y_{xy}(11.2510, 0.2773, 0.6016)$

Have a look what the booklet for
Yxy(11.2510, 0.2773, 0.6016)
contains.

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Color

Yxy(11.6174, 0.2963, 0.5868)

Conversions

Conversions Part 1

Format	Color
Hex	00700D
RGB	0, 112, 13
RGB Percent	0%, 44%, 5%
CMY	1.0000, 0.5608, 0.9490
CMYK	1.00, 0.00, 0.88, 0.56
HSL	127°, 100%, 22%
HSV	127°, 100%, 44%
XYZ	5.8661, 11.6174, 2.3144
YIQ	67.2260, -34.9730, -54.5330

Conversions

Conversions Part 2

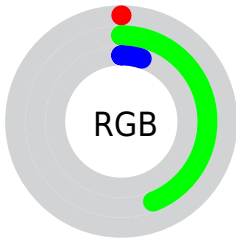
Format	Color
RYB	0, 100, 112
Decimal	28685
CIELab	40.60, -46.38, 42.19
CIELCh	41, 62.695, 137.709
Yxy	11.6174, 0.2963, 0.5868
Android (android.graphics.Color)	4278218765 (0xFF00700D)
YUV	67.2260, -26.7334, -58.9572
Hunter-Lab	34.0843, -28.9266, 19.8331

Details

The Yxy color **11.6174, 0.2963, 0.5868** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.3456, 0.3511, 0.1708**, and the grayscale version is **5.6988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8520, 0.3101, 0.5128**, and **3.4452, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **11.6184, 0.2963, 0.5868**, and if you desaturate by 10%, it is **11.7234, 0.2962, 0.5702**.

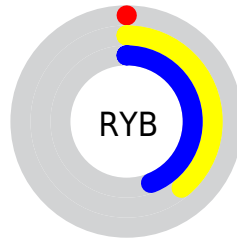
Distribution



Red (0%)

Green (44%)

Blue (5%)



Red (0%)

Yellow (39%)

Blue (44%)

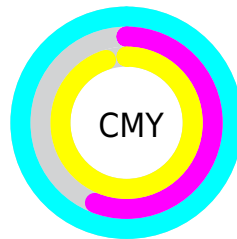


Cyan (100%)

Magenta (0%)

Yellow (88%)

Black (56%)



Cyan (100%)


Magenta (56%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.6174, 0.2963, 0.5868 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 11.6174, 0.2963, 0.5868 by changing the saturation by 10% instead.


 11.6174, 0.2963,
0.5868


 11.6174, 0.2963,
0.5868


201.8557, 0.3170,
0.4192


 6.4837, 0.2796,
0.6466


 28.7963, 0.3100,
0.5137


 3.1414, 0.2507,
0.7493

 41.6104, 0.3129,
0.4901

 1.2060, 0.0000,
1.0000

 57.7533, 0.3146,
0.4716

 0.0666, 0.0000,
1.0000


 77.6096, 0.3156,
0.4569


 0.0000, 0.0000,
0.0000

 101.5636, 0.3162,
0.4448


 129.9996, 0.3166,

0.4348

 163.3022, 0.3168,
0.4264


 11.6174, 0.2963,
0.5868


 11.6174, 0.2963,
0.5868

 11.6184, 0.2963,
0.5868

 11.7234, 0.2962,
0.5702

 11.8732, 0.2958,
0.5482

 12.0950, 0.2962,
0.5214

 12.3962, 0.2975,
0.4916

 12.7836, 0.2994,
0.4606

■ 13.2630, 0.3018,
0.4301

■ 13.8400, 0.3044,
0.4011

■ 14.5195, 0.3072,
0.3744

■ 15.3061, 0.3100,
0.3504

Harmonies

Analogous

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



11.6174, 0.4122, 0.5536



11.6174, 0.2963, 0.5868



11.6174, 0.1901, 0.4763

Triad

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



11.6174, 0.2963, 0.5868



11.6174, 0.1235, 0.1539



11.6174, 0.5391, 0.2941

Complementary

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



11.6174, 0.2963, 0.5868



4.3456, 0.3511, 0.1708

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.



11.6174, 0.4173, 0.2242



11.6174, 0.2963, 0.5868



11.6174, 0.1764, 0.1481

Square

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



11.6174, 0.2963, 0.5868



11.6174, 0.1068, 0.1987



11.6174, 0.2762, 0.1724



11.6174, 0.5699, 0.3716

Rectangle

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



11.6174, 0.2963, 0.5868



11.6174, 0.1411, 0.3586



11.6174, 0.2762, 0.1724



11.6174, 0.5062, 0.2697

Sweetspot

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



11.6184, 0.2963, 0.5868



24.2254, 0.3042, 0.4033



14.3447, 0.4026, 0.5185



5.7370, 0.3033, 0.4126



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.



11.6184, 0.2963, 0.5868



20.3981, 0.2971, 0.5896



11.9970, 0.2610, 0.4595



3.7690, 0.3103, 0.3481



13.4284, 0.2966, 0.5876



66.8233, 0.2981, 0.5930

Inverse Universe

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



4.3456, 0.3511, 0.1708



7.6222, 0.3519, 0.1712



3.6330, 0.5270, 0.2677



3.4471, 0.3153, 0.3106



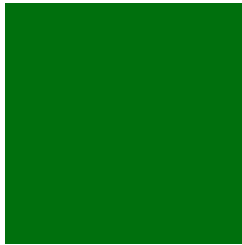
5.0213, 0.3513, 0.1709



24.9314, 0.3532, 0.1719

Previews

White Background



This preview shows how the Yxy color 11.6174, 0.2963, 0.5868 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 11.6174, 0.2963, 0.5868

Background



This preview shows how black text looks on a background with the Yxy color 11.6174, 0.2963, 0.5868.



This preview shows how white text looks on a background with the Yxy color 11.6174, 0.2963, 0.5868.

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

11.6174, 0.2963, 0.5868

Protanopia

11.5670, 0.4365, 0.4855

Deuteranopia

11.5544, 0.4513, 0.4463



Tritanopia

11.6972, 0.2383, 0.3062

Trichromacy



Original Color

11.6174, 0.2963, 0.5868

Protanomaly

10.7877, 0.3627, 0.5394

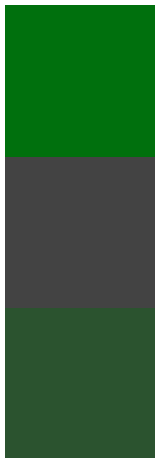
Deuteranomaly

10.5181, 0.3702, 0.5132

Tritanomaly

11.3272, 0.2614, 0.4150

Monochromacy



Original Color

11.6174, 0.2963, 0.5868

Achromatopsia

5.6128, 0.3127, 0.3290

Achromatomaly

6.9053, 0.3011, 0.4517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6174, 0.2963, 0.5868 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(0, 112, 13)` looks like.

```
.text, #text, p{  
    color:rgb(0, 112, 13)  
}
```

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(0, 112, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 13) }
```

Border

The CSS property to change the border of an element to Yxy 11.6174, 0.2963, 0.5868 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(0, 112, 13) }
```

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

```
.border{ border-color:rgb(0, 112, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 112, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 112, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 112, 13);  
box-shadow:4px 4px 4px 4px rgb(0, 112, 13)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.6174, 0.2963, 0.5868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 112, 13) }
```

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

```
.background{ background-color: rgb(0, 112,  
13) }
```

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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