

Converting Colors

$Y_{xy}(11.6449, 0.3007, 0.5995)$

Have a look what the booklet for
Yxy(11.6449, 0.3007, 0.5995)
contains.

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Color

Yxy(11.6012, 0.3007, 0.5995)

Conversions

Conversions Part 1

Format	Color
Hex	027000
RGB	2, 112, 0
RGB Percent	1%, 44%, 0%
CMY	0.9922, 0.5608, 1.0000
CMYK	0.98, 0.00, 1.00, 0.56
HSL	119°, 100%, 22%
HSV	119°, 100%, 44%
XYZ	5.8190, 11.6012, 1.9313
YIQ	66.3420, -29.6080, -58.1520

Conversions

Conversions Part 2

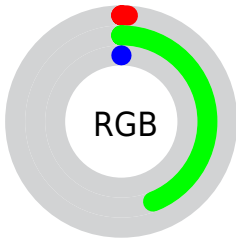
Format	Color
RYB	0, 112, 110
Decimal	159744
CIELab	40.58, -46.79, 45.38
CIELCh	41, 65.189, 135.876
Yxy	11.6012, 0.3007, 0.5995
Android (android.graphics.Color)	4278349824 (0xFF027000)
YUV	66.3420, -32.7066, -56.4279
Hunter-Lab	34.0605, -29.1106, 20.4806

Details

The Yxy color **11.6012, 0.3007, 0.5995** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.4851, 0.3167, 0.1518**, and the grayscale version is **5.5600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8143, 0.3147, 0.5232**, and **3.4452, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **11.6018, 0.3007, 0.5995**, and if you desaturate by 10%, it is **11.6991, 0.3013, 0.5854**.

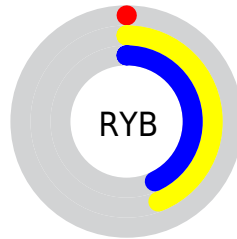
Distribution



Red (1%)

Green (44%)

Blue (0%)



Red (0%)

Yellow (44%)

Blue (43%)

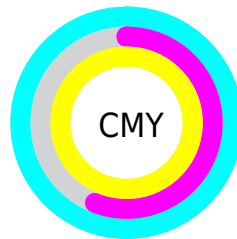


Cyan (98%)

Magenta (0%)

Yellow (100%)

Black (56%)



Cyan (99%)

Magenta (56%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 11.6012, 0.3007, 0.5995 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 11.6012, 0.3007, 0.5995 by changing the saturation by 10% instead.


 11.6012, 0.3007,
0.5995


 11.6012, 0.3007,
0.5995


 201.7469, 0.3203,
0.4245


 6.4727, 0.2843,
0.6632


 28.7667, 0.3148,
0.5240


 3.1346, 0.2484,
0.7516

 41.5725, 0.3175,
0.4993


 1.2024, 0.0000,
1.0000

 57.7061, 0.3190,
0.4799

 0.0637, 0.0000,
1.0000

 77.5521, 0.3198,
0.4644


 0.0000, 0.0000,
0.0000

 101.4948, 0.3202,
0.4516


 129.9186, 0.3203,


0.4411


 163.2078, 0.3204,
0.4321


 11.6012, 0.3007,
0.5995

 11.6012, 0.3007,
0.5995

 11.6018, 0.3007,
0.5995

 11.6991, 0.3013,
0.5854

 11.8425, 0.3025,
0.5668

 12.0594, 0.3038,
0.5412

 12.3577, 0.3053,
0.5105

 12.7443, 0.3068,
0.4771

■ 13.2255, 0.3083,
0.4433

■ 13.8070, 0.3096,
0.4107

■ 14.4940, 0.3108,
0.3805

■ 15.2914, 0.3118,
0.3532

Harmonies

Analogous

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



11.6012, 0.4203, 0.5554



11.6012, 0.3007, 0.5995



11.6012, 0.1908, 0.4939

Triad

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



11.6012, 0.3007, 0.5995



11.6012, 0.1167, 0.1504



11.6012, 0.5422, 0.2872

Complementary

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



11.6012, 0.3007, 0.5995



4.4851, 0.3167, 0.1518

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.



11.6012, 0.4116, 0.2169



11.6012, 0.3007, 0.5995



11.6012, 0.1678, 0.1428

Square

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



11.6012, 0.3007, 0.5995



11.6012, 0.1017, 0.1984



11.6012, 0.2667, 0.1657



11.6012, 0.5790, 0.3650

Rectangle

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



11.6012, 0.3007, 0.5995



11.6012, 0.1391, 0.3698



11.6012, 0.2667, 0.1657



11.6012, 0.5063, 0.2626

Sweetspot

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



11.6018, 0.3007, 0.5995



24.1677, 0.3095, 0.4132



14.2268, 0.4250, 0.5008



5.7224, 0.3091, 0.4237



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.



11.6018, 0.3007, 0.5995



20.3747, 0.3005, 0.5996



11.8392, 0.2734, 0.5041



3.7658, 0.3119, 0.3506



13.4107, 0.3006, 0.5995



66.7643, 0.3003, 0.5998

Inverse Universe

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



4.4851, 0.3167, 0.1518



7.8729, 0.3166, 0.1518



3.7683, 0.4732, 0.2380



3.4506, 0.3134, 0.3082



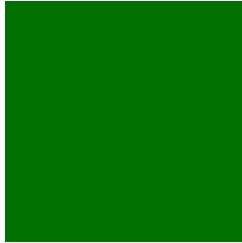
5.1837, 0.3166, 0.1518



25.7799, 0.3164, 0.1517

Previews

White Background



This preview shows how the Yxy color 11.6012, 0.3007, 0.5995 looks on a white background.

Color Contrast Check

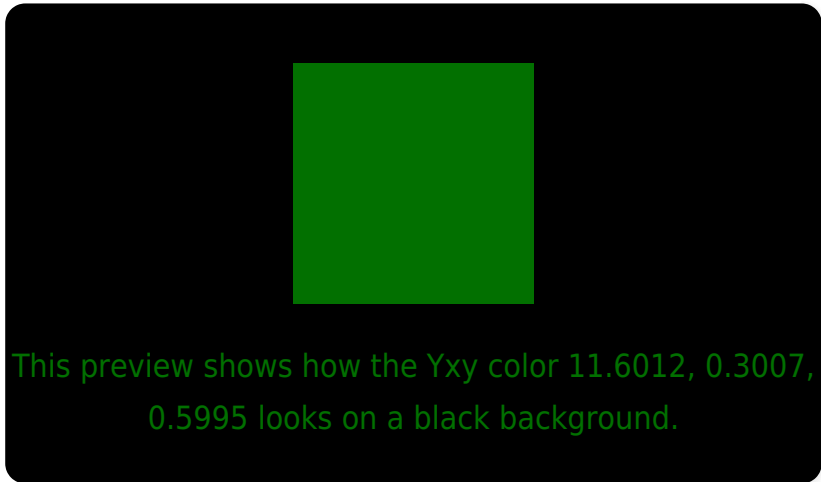
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.6012, 0.3007, 0.5995

Background



This preview shows how black text looks on a background with the Yxy color 11.6012, 0.3007, 0.5995.



This preview shows how white text looks on a background with the Yxy color 11.6012, 0.3007, 0.5995.

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

11.6012, 0.3007, 0.5995

Protanopia

11.5539, 0.4392, 0.4895

Deuteranopia

11.5412, 0.4539, 0.4496



Tritanopia

11.6972, 0.2383, 0.3062

Trichromacy



Original Color

11.6012, 0.3007, 0.5995

Protanomaly

10.7680, 0.3663, 0.5474

Deuteranomaly

10.5360, 0.3761, 0.5208

Tritanomaly

11.2746, 0.2668, 0.4302

Monochromacy



Original Color

11.6012, 0.3007, 0.5995

Achromatopsia

5.4480, 0.3127, 0.3290

Achromatomaly

6.8673, 0.3076, 0.4687

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6012, 0.3007, 0.5995 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(2, 112, 0)` looks like.

```
.text, #text, p{  
    color:rgb(2, 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(2, 112, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 11.6012, 0.3007, 0.5995 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(2, 112, 0) }
```

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

```
.border{ border-color:rgb(2, 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(2, 112, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 112, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 112, 0); box-shadow:4px  
4px 4px 4px rgb(2, 112, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 11.6012, 0.3007, 0.5995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 112, 0) }
```

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

```
.background{ background-color: rgb(2, 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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