

Converting Colors

$Y_{xy}(11.3126, 0.2714, 0.6100)$

Have a look what the booklet for
Yxy(11.3126, 0.2714, 0.6100)
contains.

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Color

Yxy(11.8322, 0.2973, 0.5902)

Conversions

Conversions Part 1

Format	Color
Hex	00710A
RGB	0, 113, 10
RGB Percent	0%, 44%, 4%
CMY	0.9998, 0.5569, 0.9610
CMYK	1.00, 0.00, 0.91, 0.56
HSL	125°, 100%, 22%
HSV	125°, 100%, 44%
XYZ	5.9602, 11.8322, 2.2554
YIQ	67.4710, -34.2850, -55.9890

Conversions

Conversions Part 2

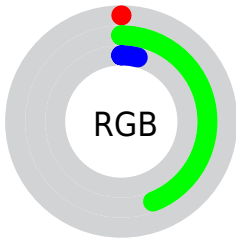
Format	Color
RYB	0, 104, 113
Decimal	28938
CIELab	40.95, -46.82, 43.26
CIELCh	41, 63.747, 137.264
Yxy	11.8322, 0.2973, 0.5902
Android (android.graphics.Color)	4278219018 (0xFF00710A)
YUV	67.4710, -28.3332, -59.1721
Hunter-Lab	34.3980, -29.2674, 20.1911

Details

The Yxy color **11.8322, 0.2973, 0.5902** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.4933, 0.3432, 0.1664**, and the grayscale version is **5.7437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1906, 0.3111, 0.5169**, and **3.5550, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **11.8322, 0.2973, 0.5903**, and if you desaturate by 10%, it is **11.9356, 0.2975, 0.5748**.

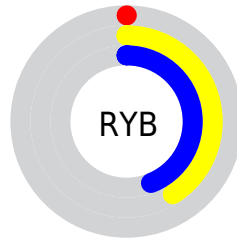
Distribution



Red (0%)

Green (44%)

Blue (4%)



Red (0%)

Yellow (41%)

Blue (44%)

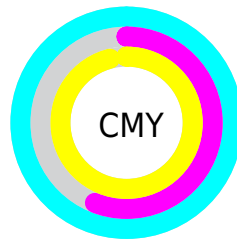


Cyan (100%)

Magenta (0%)

Yellow (91%)

Black (56%)



Cyan (100%)


Magenta (56%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8322, 0.2973, 0.5902 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 11.8322, 0.2973, 0.5902 by changing the saturation by 10% instead.


 11.8322, 0.2973,
0.5902


 11.8322, 0.2973,
0.5902

203.2912, 0.3177,
0.4209

 6.6295, 0.2806,
0.6502


 29.1891, 0.3111,
0.5167


 3.2315, 0.2506,
0.7494

 42.1122, 0.3139,
0.4929

 1.2538, 0.0071,
0.9929

 58.3774, 0.3156,
0.4742

 0.1050, 0.0000,
1.0000


 78.3693, 0.3165,
0.4592


 0.0000, 0.0000,
0.0000

 102.4723, 0.3171,
0.4470


 131.0706, 0.3175,


0.4368


 164.5488, 0.3177,
0.4283


 11.8322, 0.2973,
0.5902


 11.8322, 0.2973,
0.5902

 11.8322, 0.2973,
0.5903

 11.9356, 0.2975,
0.5748

 12.0853, 0.2973,
0.5535

 12.3091, 0.2979,
0.5268

 12.6149, 0.2992,
0.4966

 13.0097, 0.3010,
0.4649

■ 13.4997, 0.3031,
0.4334

■ 14.0905, 0.3055,
0.4034

■ 14.7874, 0.3080,
0.3758

■ 15.5951, 0.3104,
0.3510

Harmonies

Analogous

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



11.8322, 0.4140, 0.5541



11.8322, 0.2973, 0.5902



11.8322, 0.1902, 0.4806

Triad

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



11.8322, 0.2973, 0.5902



11.8322, 0.1218, 0.1529



11.8322, 0.5401, 0.2924

Complementary

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



11.8322, 0.2973, 0.5902



4.4933, 0.3432, 0.1664

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.



11.8322, 0.4160, 0.2223



11.8322, 0.2973, 0.5902



11.8322, 0.1742, 0.1467

Square

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



11.8322, 0.2973, 0.5902



11.8322, 0.1054, 0.1985



11.8322, 0.2738, 0.1707



11.8322, 0.5723, 0.3700

Rectangle

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



11.8322, 0.2973, 0.5902



11.8322, 0.1405, 0.3612



11.8322, 0.2738, 0.1707



11.8322, 0.5065, 0.2679

Sweetspot

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



11.8327, 0.2973, 0.5902



25.1338, 0.3053, 0.4059



14.7292, 0.4054, 0.5163



5.7304, 0.3045, 0.4154



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.



11.8327, 0.2973, 0.5902



21.1774, 0.2980, 0.5927



12.2035, 0.2626, 0.4653



3.7675, 0.3106, 0.3487



13.4199, 0.2975, 0.5909



66.7925, 0.2987, 0.5955

Inverse Universe

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



4.4933, 0.3432, 0.1664



8.0341, 0.3438, 0.1668



3.7181, 0.5204, 0.2641



3.4487, 0.3149, 0.3100



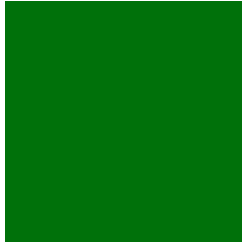
5.0939, 0.3433, 0.1665



25.3107, 0.3447, 0.1673

Previews

White Background



This preview shows how the Yxy color 11.8322, 0.2973, 0.5902 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 11.8322, 0.2973, 0.5902

Background



This preview shows how black text looks on a background with the Yxy color 11.8322, 0.2973, 0.5902.



This preview shows how white text looks on a background with the Yxy color 11.8322, 0.2973, 0.5902.

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

11.8322, 0.2973, 0.5902

Protanopia

11.8006, 0.4390, 0.4896

Deuteranopia

11.7938, 0.4521, 0.4481



Tritanopia

11.9224, 0.2380, 0.3064

Trichromacy



Original Color

11.8322, 0.2973, 0.5902

Protanomaly

10.9745, 0.3636, 0.5447

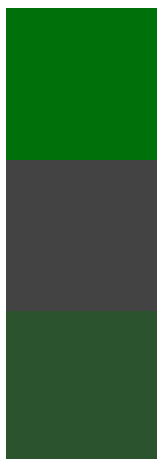
Deuteranomaly

10.7426, 0.3721, 0.5161

Tritanomaly

11.5229, 0.2628, 0.4204

Monochromacy



Original Color

11.8322, 0.2973, 0.5902

Achromatopsia

5.6128, 0.3127, 0.3290

Achromatomaly

7.0515, 0.3024, 0.4575

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8322, 0.2973, 0.5902 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, 113, 10)` looks like.

```
.text, #text, p{  
    color:rgb(0, 113, 10)  
}
```

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, 113, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 113, 10) }
```

Border

The CSS property to change the border of an element to Yxy 11.8322, 0.2973, 0.5902 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, 113, 10) }
```

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

```
.border{ border-color:rgb(0, 113, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 113, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 113, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 113, 10);  
box-shadow:4px 4px 4px 4px rgb(0, 113, 10)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.8322, 0.2973, 0.5902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 113, 10) }
```

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

```
.background{ background-color: rgb(0, 113,  
10) }
```

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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