

Converting Colors

$Y_{xy}(12.1582, 0.3522, 0.6478)$

Have a look what the booklet for
Yxy(12.1582, 0.3522, 0.6478)
contains.

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Color

Yxy(12.3911, 0.3279, 0.5778)

Conversions

Conversions Part 1

Format	Color
Hex	2E7100
RGB	46, 113, 0
RGB Percent	18%, 44%, 0%
CMY	0.8196, 0.5569, 0.9998
CMYK	0.59, 0.00, 1.00, 0.56
HSL	96°, 100%, 22%
HSV	96°, 100%, 44%
XYZ	7.0319, 12.3911, 2.0223
YIQ	80.0850, -3.6590, -49.3470

Conversions

Conversions Part 2

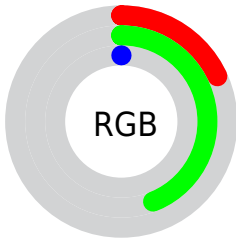
Format	Color
RYB	0, 113, 67
Decimal	3043584
CIELab	41.83, -39.37, 46.74
CIELCh	42, 61.115, 130.106
Yxy	12.3911, 0.3279, 0.5778
Android (android.graphics.Color)	4281233664 (0xFF2E7100)
YUV	80.0850, -39.4819, -29.8925
Hunter-Lab	35.2010, -25.9437, 21.2345

Details

The Yxy color **12.3911, 0.3279, 0.5778** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.3885, 0.2256, 0.1017**, and the grayscale version is **8.1197, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3654, 0.3343, 0.5123**, and **3.6668, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.3909, 0.3279, 0.5779**, and if you desaturate by 10%, it is **12.5845, 0.3317, 0.5626**.

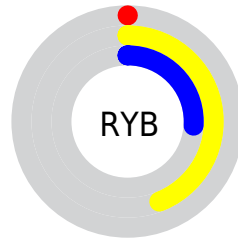
Distribution



Red (18%)

Green (44%)

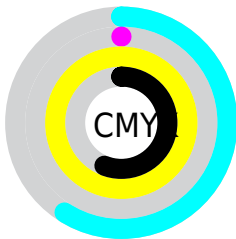
Blue (0%)



Red (0%)

Yellow (44%)

Blue (26%)

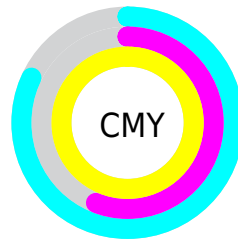


Cyan (59%)

Magenta (0%)

Yellow (100%)

Black (56%)



Cyan (82%)


Magenta (56%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3911, 0.3279, 0.5778 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 12.3911, 0.3279, 0.5778 by changing the saturation by 10% instead.


 12.3911, 0.3279,
0.5778

 12.3911, 0.3279,
0.5778


 206.9776, 0.3301,
0.4205


 7.0106, 0.3177,
0.6311


 30.2054, 0.3343,
0.5115


 3.4687, 0.2932,
0.7068

 43.4081, 0.3346,
0.4894


 1.3811, 0.1705,
0.8295

 59.9869, 0.3342,
0.4718

 0.2027, 0.0000,
1.0000


 80.3263, 0.3335,
0.4575


 0.0000, 0.0000,
0.0000


 104.8107, 0.3326,
0.4458


 133.8244, 0.3318,

0.4360


 167.7519, 0.3309,
0.4277


 12.3911, 0.3279,
0.5778


 12.3911, 0.3279,
0.5778


 12.3909, 0.3279,
0.5779

 12.5845, 0.3317,
0.5626

 12.8134, 0.3348,
0.5442

 13.0879, 0.3362,
0.5209

 13.4112, 0.3359,
0.4941

 13.7861, 0.3340,
0.4652

■ 14.2150, 0.3310,
0.4356

■ 14.7005, 0.3270,
0.4064

■ 15.2446, 0.3225,
0.3786

■ 15.8494, 0.3177,
0.3527

Harmonies

Analogous

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



12.3911, 0.4383, 0.5262



12.3911, 0.3279, 0.5778



12.3911, 0.2195, 0.5069

Triad

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



12.3911, 0.3279, 0.5778



12.3911, 0.1220, 0.1668



12.3911, 0.5062, 0.2784

Complementary

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



12.3911, 0.3279, 0.5778



2.3885, 0.2256, 0.1017

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.



12.3911, 0.3774, 0.2131



12.3911, 0.3279, 0.5778



12.3911, 0.1642, 0.1523

Square

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



12.3911, 0.3279, 0.5778



12.3911, 0.1142, 0.2240



12.3911, 0.2490, 0.1687



12.3911, 0.5618, 0.3530

Rectangle

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



12.3911, 0.3279, 0.5778



12.3911, 0.1634, 0.3998



12.3911, 0.2490, 0.1687



12.3911, 0.4681, 0.2551

Sweetspot

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



12.3916, 0.3279, 0.5778



26.2453, 0.3274, 0.4089



7.4002, 0.5113, 0.4322



6.0030, 0.3287, 0.4181



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.



12.3916, 0.3279, 0.5778



22.1142, 0.3261, 0.5793



11.8318, 0.2974, 0.5907



3.8233, 0.3172, 0.3503



14.0437, 0.3274, 0.5782



69.4806, 0.3237, 0.5812

Inverse Universe

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



2.3885, 0.2256, 0.1017



4.1968, 0.2232, 0.1003



4.5031, 0.3420, 0.1658



3.3891, 0.3079, 0.3079



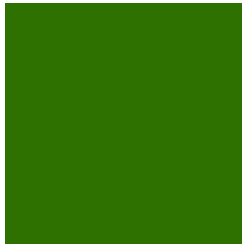
2.6957, 0.2250, 0.1013



12.9152, 0.2201, 0.0986

Previews

White Background



This preview shows how the Yxy color 12.3911, 0.3279, 0.5778 looks on a white background.

Color Contrast Check

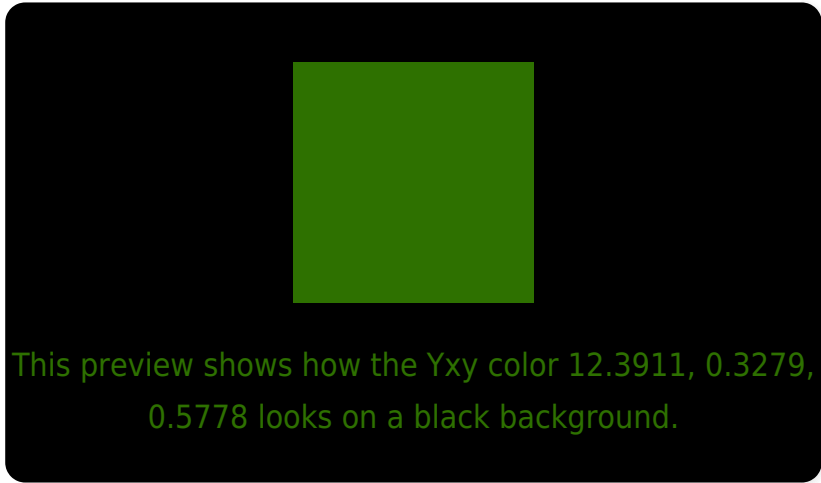
Large Text (above 18pt) WCAG AA ✓ Pass

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

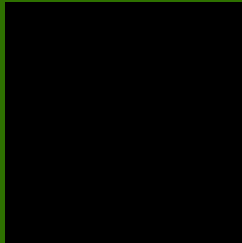
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3911, 0.3279, 0.5778

Background



This preview shows how black text looks on a background with the Yxy color 12.3911, 0.3279, 0.5778.



This preview shows how white text looks on a background with the Yxy color 12.3911, 0.3279, 0.5778.

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

12.3911, 0.3279, 0.5778

Protanopia

12.3032, 0.4387, 0.4899

Deuteranopia

12.1797, 0.4567, 0.4489



Tritanopia

12.4080, 0.2526, 0.3072

Trichromacy



Original Color

12.3911, 0.3279, 0.5778

Protanomaly

11.9269, 0.3922, 0.5268

Deuteranomaly

11.6356, 0.4063, 0.4993

Tritanomaly

12.0760, 0.2893, 0.4233

Monochromacy



Original Color

12.3911, 0.3279, 0.5778

Achromatopsia

8.0220, 0.3127, 0.3290

Achromatomaly

9.1223, 0.3327, 0.4458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3911, 0.3279, 0.5778 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(46, 113, 0)` looks like.

```
.text, #text, p{  
    color:rgb(46, 113, 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(46, 113, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 113, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.3911, 0.3279, 0.5778 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(46, 113, 0) }
```

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

```
.border{ border-color:rgb(46, 113, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 113, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 113, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 113, 0);  
box-shadow:4px 4px 4px 4px rgb(46, 113, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.3911, 0.3279, 0.5778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 113, 0) }
```

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

```
.background{ background-color: rgb(46, 113,  
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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