

Converting Colors

$Y_{xy}(11.8735, 0.3298, 0.5681)$

Have a look what the booklet for
Yxy(11.8735, 0.3298, 0.5681)
contains.

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Color

Yxy(11.8202, 0.3305, 0.5677)

Conversions

Conversions Part 1

Format	Color
Hex	316E07
RGB	49, 110, 7
RGB Percent	19%, 43%, 3%
CMY	0.8078, 0.5686, 0.9726
CMYK	0.55, 0.00, 0.94, 0.57
HSL	96°, 88%, 23%
HSV	96°, 94%, 43%
XYZ	6.8814, 11.8202, 2.1196
YIQ	80.0190, -3.2930, -44.9650

Conversions

Conversions Part 2

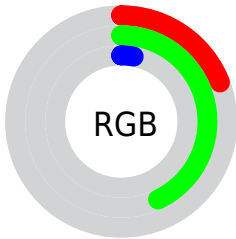
Format	Color
R_{YB}	7, 110, 68
Decimal	3239431
CIE _{Lab}	40.93, -36.99, 44.35
CIE _{LCh}	41, 57.753, 129.829
Yxy	11.8202, 0.3305, 0.5677
Android (android.graphics.Color)	4281429511 (0xFF316E07)
YUV	80.0190, -35.9984, -27.2037
Hunter-Lab	34.3805, -24.4384, 20.4111

Details

The Yxy color **11.8202, 0.3305, 0.5677** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.5061, 0.2319, 0.1102**, and the grayscale version is **8.0989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0831, 0.3359, 0.5033**, and **3.3375, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **11.7070, 0.3282, 0.5776**, and if you desaturate by 10%, it is **12.0229, 0.3341, 0.5510**.

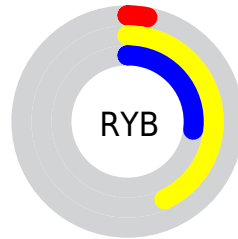
Distribution



Red (19%)

Green (43%)

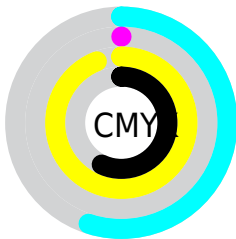
Blue (3%)



Red (3%)

Yellow (43%)

Blue (27%)

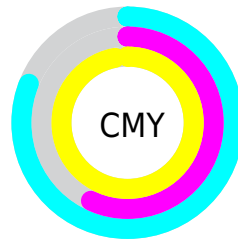


Cyan (55%)

Magenta (0%)

Yellow (94%)

Black (57%)



Cyan (81%)


Magenta (57%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8202, 0.3305, 0.5677 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 11.8202, 0.3305, 0.5677 by changing the saturation by 10% instead.


 11.8202, 0.3305,
0.5677


 11.8202, 0.3305,
0.5677


203.2113, 0.3300,
0.4159


 6.6214, 0.3214,
0.6198


 29.1672, 0.3353,
0.5031


 3.2265, 0.3007,
0.6993

 42.0842, 0.3352,
0.4817

 1.2511, 0.1649,
0.8351

 58.3426, 0.3345,
0.4648

 0.1028, 0.0000,
1.0000

 78.3270, 0.3337,
0.4512


 0.0000, 0.0000,
0.0000


 102.4217, 0.3327,
0.4400


 131.0110, 0.3317,

0.4306

 164.4794, 0.3308,
0.4227

 11.8202, 0.3305,
0.5677


 11.8202, 0.3305,
0.5677


 11.7070, 0.3282,
0.5776

 12.0229, 0.3341,
0.5510

 12.2662, 0.3360,
0.5293

 12.5542, 0.3363,
0.5037

 12.8896, 0.3349,
0.4754

 13.2748, 0.3323,
0.4460

■ 13.7123, 0.3286,
0.4167

■ 14.2039, 0.3242,
0.3885

■ 14.7517, 0.3195,
0.3619

■ 15.3577, 0.3145,
0.3374

Harmonies

Analogous

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



11.8202, 0.4374, 0.5205



11.8202, 0.3305, 0.5677



11.8202, 0.2246, 0.4998

Triad

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



11.8202, 0.3305, 0.5677



11.8202, 0.1269, 0.1721



11.8202, 0.4978, 0.2802

Complementary

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



11.8202, 0.3305, 0.5677



2.5061, 0.2319, 0.1102

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.



11.8202, 0.3740, 0.2162



11.8202, 0.3305, 0.5677



11.8202, 0.1681, 0.1572

Square

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



11.8202, 0.3305, 0.5677



11.8202, 0.1197, 0.2291



11.8202, 0.2506, 0.1730



11.8202, 0.5532, 0.3536

Rectangle

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



11.8202, 0.3305, 0.5677



11.8202, 0.1694, 0.3987



11.8202, 0.2506, 0.1730



11.8202, 0.4611, 0.2573

Sweetspot

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



11.8207, 0.3305, 0.5677



24.4914, 0.3265, 0.4027



7.3545, 0.4986, 0.4324



5.6344, 0.3279, 0.4121



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



11.8207, 0.3305, 0.5677



20.4920, 0.3264, 0.5790



11.2334, 0.2977, 0.5812



3.8235, 0.3172, 0.3503



14.0471, 0.3276, 0.5781



69.4967, 0.3238, 0.5811

Inverse Universe

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



2.5061, 0.2319, 0.1102



3.8874, 0.2233, 0.1004



4.4147, 0.3401, 0.1692



3.3889, 0.3079, 0.3079



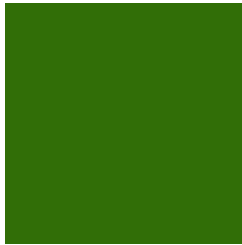
2.6905, 0.2247, 0.1012



12.8894, 0.2198, 0.0985

Previews

White Background



This preview shows how the Yxy color 11.8202, 0.3305, 0.5677 looks on a white background.

Color Contrast Check

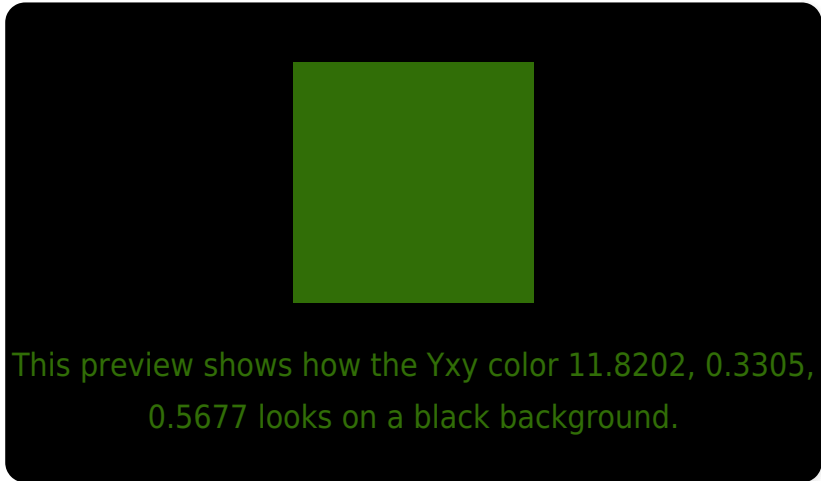
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.8202, 0.3305, 0.5677

Background



This preview shows how black text looks on a background with the Yxy color 11.8202, 0.3305, 0.5677.



This preview shows how white text looks on a background with the Yxy color 11.8202, 0.3305, 0.5677.

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

11.8202, 0.3305, 0.5677

Protanopia

11.6170, 0.4408, 0.4882

Deuteranopia

11.6131, 0.4555, 0.4486



Tritanopia

11.7523, 0.2564, 0.3092

Trichromacy



Original Color

11.8202, 0.3305, 0.5677

Protanomaly

11.3402, 0.3952, 0.5211

Deuteranomaly

11.2119, 0.4058, 0.4948

Tritanomaly

11.5140, 0.2912, 0.4161

Monochromacy



Original Color

11.8202, 0.3305, 0.5677

Achromatopsia

8.0220, 0.3127, 0.3290

Achromatomaly

9.0044, 0.3321, 0.4374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8202, 0.3305, 0.5677 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(49, 110, 7)` looks like.

```
.text, #text, p{  
    color:rgb(49, 110, 7)  
}
```

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(49, 110, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 110, 7) }
```

Border

The CSS property to change the border of an element to Yxy 11.8202, 0.3305, 0.5677 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(49, 110, 7) }
```

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

```
.border{ border-color:rgb(49, 110, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 110, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 110, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 110, 7);  
box-shadow:4px 4px 4px 4px rgb(49, 110, 7)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.8202, 0.3305, 0.5677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 110, 7) }
```

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

```
.background{ background-color: rgb(49, 110,  
7) }
```

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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