

Converting Colors

$Yxy(11.8047, 0.3077, 0.5091)$

Have a look what the booklet for
Yxy(11.8047, 0.3077, 0.5091)
contains.

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Color

Yxy(11.7235, 0.3073, 0.5077)

Conversions

Conversions Part 1

Format	Color
Hex	2F6D2C
RGB	47, 109, 44
RGB Percent	18%, 43%, 17%
CMY	0.8156, 0.5725, 0.8274
CMYK	0.57, 0.00, 0.60, 0.57
HSL	117°, 42%, 30%
HSV	117°, 60%, 43%
XYZ	7.0960, 11.7235, 4.2719
YIQ	83.0520, -16.0870, -33.3590

Conversions

Conversions Part 2

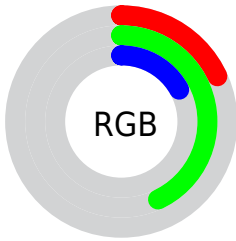
Format	Color
R_{YB}	44, 109, 106
Decimal	3108140
CIE _{Lab}	40.77, -34.18, 29.93
CIE _{LCh}	41, 45.426, 138.793
Yxy	11.7235, 0.3073, 0.5077
Android (android.graphics.Color)	4281298220 (0xFF2F6D2C)
YUV	83.0520, -19.2526, -31.6176
Hunter-Lab	34.2396, -22.9261, 16.5704

Details

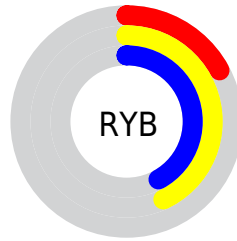
The Yxy color **11.7235, 0.3073, 0.5077** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **5.9695, 0.3130, 0.1945**, and the grayscale version is **8.7046, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.9151, 0.3127, 0.4561**, and **3.2317, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **11.4341, 0.3058, 0.5383**, and if you desaturate by 10%, it is **12.0943, 0.3087, 0.4746**.

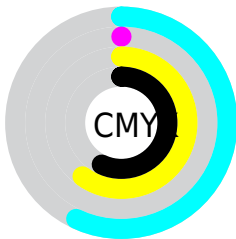
Distribution



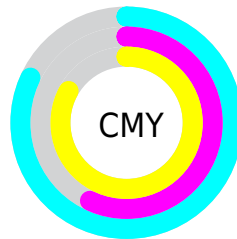
- Red (18%)
- Green (43%)
- Blue (17%)



- Red (17%)
- Yellow (43%)
- Blue (42%)



- Cyan (57%)
- Magenta (0%)
- Yellow (60%)
- Black (57%)





- Cyan (82%)
- Magenta (57%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.7235, 0.3073, 0.5077 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 11.7235, 0.3073, 0.5077 by changing the saturation by 10% instead.


 11.7235, 0.3073,
0.5077


 11.7235, 0.3073,
0.5077


202.5661, 0.3154,
0.3920


 6.5557, 0.2999,
0.5509


 28.9905, 0.3129,
0.4566

 3.1858, 0.2889,
0.6297

 41.8585, 0.3140,
0.4404


 1.2295, 0.1958,
0.8042

 58.0620, 0.3147,
0.4279

 0.0856, 0.0000,
1.0000

 77.9854, 0.3150,
0.4178

 0.0000, 0.0000,
0.0000

 102.0131, 0.3152,
0.4096

 130.5296, 0.3154,

0.4027

163.9191, 0.3154,
0.3969

■ 11.7235, 0.3073,
0.5077

■ 11.7235, 0.3073,
0.5077

■ 11.4341, 0.3058,
0.5383

■ 12.0943, 0.3087,
0.4746

■ 11.2187, 0.3042,
0.5643

■ 12.5504, 0.3099,
0.4412

■ 11.0710, 0.3026,
0.5835

■ 13.0973, 0.3109,
0.4090

■ 10.9734, 0.3018,
0.5980

■ 13.7394, 0.3117,
0.3791

■ 10.9701, 0.3018,
0.5985

■ 14.4810, 0.3123,
0.3522

■ 15.3261, 0.3127,
0.3282

■ 16.2784, 0.3130,
0.3071

■ 17.3416, 0.3133,
0.2888

■ 18.5189, 0.3134,
0.2728

Harmonies

Analogous

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



11.7235, 0.3986, 0.5046



11.7235, 0.3073, 0.5077



11.7235, 0.2222, 0.4273

Triad

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



11.7235, 0.3073, 0.5077



11.7235, 0.1635, 0.1921



11.7235, 0.4805, 0.3111

Complementary

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



11.7235, 0.3073, 0.5077



5.9695, 0.3130, 0.1945

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.



11.7235, 0.3944, 0.2512



11.7235, 0.3073, 0.5077



11.7235, 0.2104, 0.1859

Square

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



11.7235, 0.3073, 0.5077



11.7235, 0.1489, 0.2317



11.7235, 0.2912, 0.2070



11.7235, 0.5082, 0.3783

Rectangle

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



11.7235, 0.3073, 0.5077



11.7235, 0.1813, 0.3503



11.7235, 0.2912, 0.2070



11.7235, 0.4568, 0.2900

Sweetspot

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



11.7240, 0.3073, 0.5077



24.7431, 0.3118, 0.3759



13.6900, 0.3966, 0.4567



5.6929, 0.3116, 0.3824



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.



11.7240, 0.3073, 0.5077



20.2901, 0.3051, 0.5504



11.9574, 0.2764, 0.4282



3.4509, 0.3123, 0.3504



12.8276, 0.3017, 0.5987



65.2573, 0.3007, 0.5994

Inverse Universe

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



5.9695, 0.3130, 0.1945



8.9004, 0.3122, 0.1716



5.6284, 0.3852, 0.2507



3.1571, 0.3130, 0.3084



4.7277, 0.3098, 0.1480



23.9833, 0.3092, 0.1477

Previews

White Background



This preview shows how the Yxy color 11.7235, 0.3073, 0.5077 looks on a white background.

Color Contrast Check

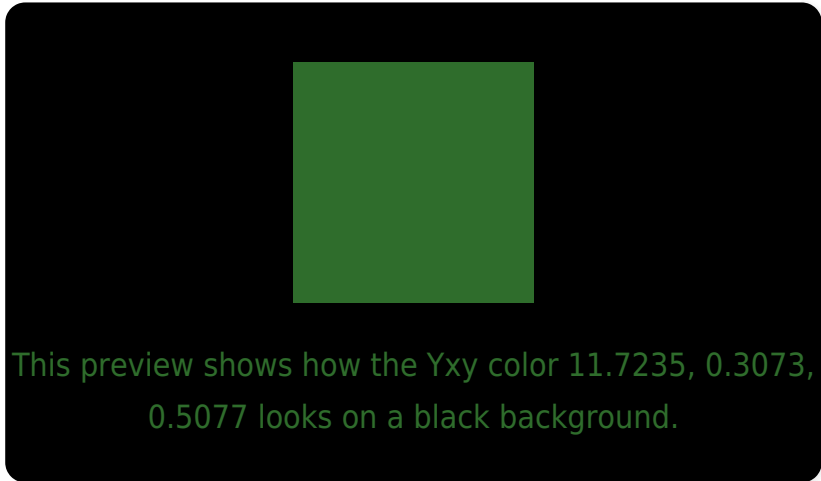
Large Text (above 18pt) WCAG AA ✓ Pass

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

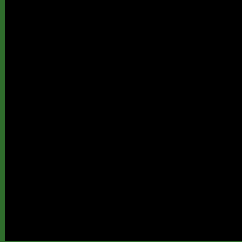
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7235, 0.3073, 0.5077

Background



This preview shows how black text looks on a background with the Yxy color 11.7235, 0.3073, 0.5077.



This preview shows how white text looks on a background with the Yxy color 11.7235, 0.3073, 0.5077.

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

11.7235, 0.3073, 0.5077

Protanopia

11.5831, 0.4076, 0.4493

Deuteranopia

11.5555, 0.4227, 0.4151



Tritanopia

11.6527, 0.2534, 0.3091

Trichromacy



Original Color

11.7235, 0.3073, 0.5077

Protanomaly

11.3988, 0.3662, 0.4743

Deuteranomaly

11.2159, 0.3736, 0.4509

Tritanomaly

11.6449, 0.2745, 0.3797

Monochromacy



Original Color

11.7235, 0.3073, 0.5077

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

9.3861, 0.3112, 0.3933

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7235, 0.3073, 0.5077 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(47, 109, 44)` looks like.

```
.text, #text, p{  
  color:rgb(47, 109, 44)  
}
```

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(47, 109, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 109, 44) }
```

Border

The CSS property to change the border of an element to Yxy 11.7235, 0.3073, 0.5077 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(47, 109, 44) }
```

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

```
.border{ border-color:rgb(47, 109, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 109, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 109, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 109, 44);  
box-shadow:4px 4px 4px 4px rgb(47, 109,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7235, 0.3073, 0.5077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 109, 44) }
```

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

```
.background{ background-color: rgb(47, 109,  
44) }
```

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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