

Converting Colors

$Y_{xy}(11.8012, 0.2885, 0.4034)$

Have a look what the booklet for
Yxy(11.8012, 0.2885, 0.4034)
contains.

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Color

Yxy(11.8502, 0.2880, 0.4037)

Conversions

Conversions Part 1

Format	Color
Hex	3D6A4E
RGB	61, 106, 78
RGB Percent	24%, 42%, 31%
CMY	0.7608, 0.5843, 0.6941
CMYK	0.42, 0.00, 0.26, 0.58
HSL	143°, 27%, 33%
HSV	143°, 42%, 42%
XYZ	8.4539, 11.8502, 9.0498
YIQ	89.3530, -17.8320, -18.2480

Conversions

Conversions Part 2

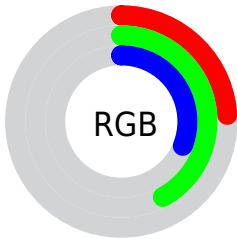
Format	Color
RYB	61, 94, 106
Decimal	4024910
CIELab	40.98, -22.40, 10.95
CIELCh	41, 24.935, 153.939
Yxy	11.8502, 0.2880, 0.4037
Android (android.graphics.Color)	4282214990 (0xFF3D6A4E)
YUV	89.3530, -5.5970, -24.8656
Hunter-Lab	34.4241, -16.4058, 8.5100

Details

The Yxy color **11.8502, 0.2880, 0.4037** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **7.1238, 0.3504, 0.2651**, and the grayscale version is **10.0886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3655, 0.2955, 0.3837**, and **3.2198, 0.2711, 0.4469** is the 20% darker color. If you saturate the color by 10%, you get **11.4569, 0.2836, 0.4253**, and if you desaturate by 10%, it is **12.3204, 0.2932, 0.3834**.

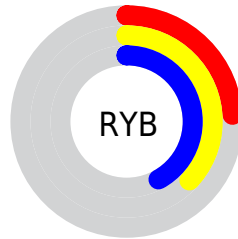
Distribution



Red (24%)

Green (42%)

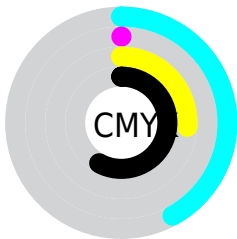
Blue (31%)



Red (24%)

Yellow (37%)

Blue (42%)

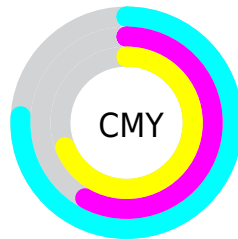


Cyan (42%)

Magenta (0%)

Yellow (26%)

Black (58%)



Cyan (76%)


Magenta (58%)

Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8502, 0.2880, 0.4037 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 11.8502, 0.2880, 0.4037 by changing the saturation by 10% instead.


 11.8502, 0.2880,
0.4037


 11.8502, 0.2880,
0.4037


 203.4110, 0.3040,
0.3563


 6.6418, 0.2818,
0.4215


 29.2220, 0.2951,
0.3829


 3.2391, 0.2716,
0.4501

 42.1541, 0.2973,
0.3763


 1.2578, 0.2510,
0.5190

 58.4296, 0.2990,
0.3712

 0.1082, 0.0000,
1.0000

 78.4328, 0.3004,
0.3670

 0.0000, 0.0000,
0.0000

 102.5482, 0.3016,
0.3636

 131.1601, 0.3025,

0.3608

164.6529, 0.3033,
0.3583

■ 11.8502, 0.2880,
0.4037

■ 11.8502, 0.2880,
0.4037

■ 11.4569, 0.2836,
0.4253

■ 12.3204, 0.2932,
0.3834

■ 11.1350, 0.2804,
0.4479

■ 12.8701, 0.2989,
0.3647

■ 10.8802, 0.2785,
0.4708


■ 13.5033, 0.3050,
0.3477

■ 10.6873, 0.2782,
0.4933

■ 14.2233, 0.3112,
0.3325


■ 10.5496, 0.2795,
0.5147

■ 15.0335, 0.3174,
0.3189

 10.4618, 0.2806,
0.5300

 15.9368, 0.3235,
0.3069

 16.9360, 0.3294,
0.2963

 18.0341, 0.3350,
0.2869

 19.2336, 0.3404,
0.2788

Harmonies

Analogous

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



11.8502, 0.3419, 0.4285



11.8502, 0.2880, 0.4037



11.8502, 0.2432, 0.3525

Triad

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



11.8502, 0.2880, 0.4037



11.8502, 0.2359, 0.2431



11.8502, 0.4178, 0.3448

Complementary

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



11.8502, 0.2880, 0.4037



7.1238, 0.3504, 0.2651

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.



11.8502, 0.3844, 0.3028



11.8502, 0.2880, 0.4037



11.8502, 0.2767, 0.2467

Square

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



11.8502, 0.2880, 0.4037



11.8502, 0.2156, 0.2601



11.8502, 0.3311, 0.2681



11.8502, 0.4192, 0.3869

Rectangle

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



11.8502, 0.2880, 0.4037



11.8502, 0.2238, 0.3154



11.8502, 0.3311, 0.2681



11.8502, 0.4099, 0.3304

Sweetspot

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



11.8507, 0.2880, 0.4037



23.5906, 0.3044, 0.3492



12.7941, 0.3468, 0.4365



5.4801, 0.3034, 0.3520



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



11.8507, 0.2880, 0.4037



20.1092, 0.2837, 0.4253



12.2207, 0.2640, 0.3440



3.4619, 0.3071, 0.3422



12.9768, 0.2811, 0.5320



65.9648, 0.2840, 0.5422

Inverse Universe

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



7.1238, 0.3504, 0.2651



10.6000, 0.3630, 0.2508



6.8077, 0.3993, 0.3151



3.1455, 0.3187, 0.3161



4.2836, 0.4391, 0.2192



21.6543, 0.4477, 0.2240

Previews

White Background



This preview shows how the Yxy color 11.8502, 0.2880, 0.4037 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



This preview shows how the Yxy color 11.8502, 0.2880, 0.4037 looks on a 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 11.8502, 0.2880, 0.4037

Background



This preview shows how black text looks on a background with the Yxy color 11.8502, 0.2880, 0.4037.



This preview shows how white text looks on a background with the Yxy color 11.8502, 0.2880, 0.4037.

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

11.8502, 0.2880, 0.4037

Protanopia

11.7303, 0.3576, 0.3821

Deuteranopia

11.8023, 0.3602, 0.3556



Tritanopia

11.8575, 0.2596, 0.3094

Trichromacy



Original Color

11.8502, 0.2880, 0.4037

Protanomaly

11.6970, 0.3290, 0.3906

Deuteranomaly

11.6417, 0.3304, 0.3724

Tritanomaly

11.7062, 0.2695, 0.3416

Monochromacy



Original Color

11.8502, 0.2880, 0.4037

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

10.5026, 0.3025, 0.3547

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8502, 0.2880, 0.4037 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(61, 106, 78)` looks like.

```
.text, #text, p{  
    color:rgb(61, 106, 78)  
}
```

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(61, 106, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 106, 78) }
```

Border

The CSS property to change the border of an element to Yxy 11.8502, 0.2880, 0.4037 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(61, 106, 78) }
```

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

```
.border{ border-color:rgb(61, 106, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 106, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 106, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 106, 78);  
box-shadow:4px 4px 4px 4px rgb(61, 106,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8502, 0.2880, 0.4037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 106, 78) }
```

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

```
.background{ background-color: rgb(61, 106,  
78) }
```

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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