

Converting Colors

$Y_{xy}(11.6012, 0.2835, 0.4140)$

Have a look what the booklet for
Yxy(11.6012, 0.2835, 0.4140)
contains.

Yxy(11.6003, 0.2835, 0.4140)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(11.6003, 0.2835, 0.4140)$

Conversions

Conversions Part 1

Format	Color
Hex	366A4B
RGB	54, 106, 75
RGB Percent	21%, 42%, 29%
CMY	0.7884, 0.5843, 0.7059
CMYK	0.49, 0.00, 0.29, 0.58
HSL	144°, 33%, 31%
HSV	144°, 49%, 42%
XYZ	7.9437, 11.6003, 8.4761
YIQ	86.9180, -21.0410, -20.6650

Conversions

Conversions Part 2

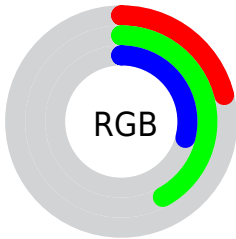
Format	Color
RYB	54, 91, 106
Decimal	3566155
CIELab	40.57, -25.24, 12.14
CIELCh	41, 28.014, 154.310
Yxy	11.6003, 0.2835, 0.4140
Android (android.graphics.Color)	4281756235 (0xFF366A4B)
YUV	86.9180, -5.8756, -28.8691
Hunter-Lab	34.0592, -17.9718, 9.0864

Details

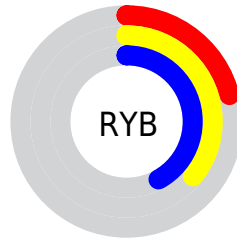
The Yxy color **11.6003, 0.2835, 0.4140** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **6.3550, 0.3618, 0.2583**, and the grayscale version is **9.5269, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8520, 0.2918, 0.3903**, and **3.1250, 0.2631, 0.4670** is the 20% darker color. If you saturate the color by 10%, you get **11.2567, 0.2796, 0.4353**, and if you desaturate by 10%, it is **12.0174, 0.2884, 0.3937**.

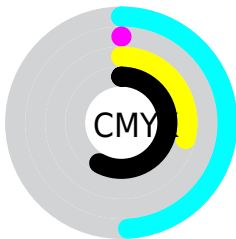
Distribution



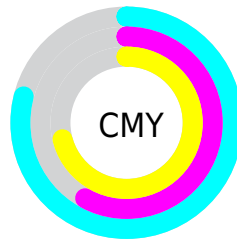
- Red (21%)
- Green (42%)
- Blue (29%)



- Red (21%)
- Yellow (36%)
- Blue (42%)



- Cyan (49%)
- Magenta (0%)
- Yellow (29%)
- Black (58%)




- Cyan (79%)
- Magenta (58%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.6003, 0.2835, 0.4140 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 11.6003, 0.2835, 0.4140 by changing the saturation by 10% instead.


 11.6003, 0.2835,
0.4140


 11.6003, 0.2835,
0.4140


201.7409, 0.3025,
0.3597


 6.4721, 0.2760,
0.4346


 28.7650, 0.2920,
0.3900


 3.1342, 0.2636,
0.4681

 41.5703, 0.2946,
0.3825


 1.2022, 0.2337,
0.5660

 57.7035, 0.2967,
0.3766

 0.0635, 0.0000,
1.0000

 77.5489, 0.2983,
0.3719

 0.0000, 0.0000,
0.0000

 101.4910, 0.2997,
0.3680

 129.9141, 0.3008,

0.3648

163.2026, 0.3017,
0.3620

■ 11.6003, 0.2835,
0.4140

■ 11.6003, 0.2835,
0.4140

■ 11.2567, 0.2796,
0.4353

■ 12.0174, 0.2884,
0.3937

■ 10.9808, 0.2771,
0.4573

■ 12.5105, 0.2941,
0.3748

■ 10.7680, 0.2761,
0.4792


■ 13.0841, 0.3003,
0.3575

■ 10.6126, 0.2768,
0.5004


■ 13.7415, 0.3067,
0.3418

■ 10.4932, 0.2783,
0.5205

■ 14.4860, 0.3133,
0.3278

 10.4828, 0.2784,
0.5223

 15.3208, 0.3198,
0.3153

 16.2489, 0.3262,
0.3042

 17.2729, 0.3324,
0.2945

 18.3957, 0.3384,
0.2859

Harmonies

Analogous

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



11.6003, 0.3439, 0.4423



11.6003, 0.2835, 0.4140



11.6003, 0.2339, 0.3545

Triad

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



11.6003, 0.2835, 0.4140



11.6003, 0.2272, 0.2329



11.6003, 0.4319, 0.3462

Complementary

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



11.6003, 0.2835, 0.4140



6.3550, 0.3618, 0.2583

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.



11.6003, 0.3945, 0.2998



11.6003, 0.2835, 0.4140



11.6003, 0.2726, 0.2376

Square

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



11.6003, 0.2835, 0.4140



11.6003, 0.2045, 0.2508



11.6003, 0.3339, 0.2614



11.6003, 0.4324, 0.3932

Rectangle

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



11.6003, 0.2835, 0.4140



11.6003, 0.2129, 0.3121



11.6003, 0.3339, 0.2614



11.6003, 0.4232, 0.3303

Sweetspot

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



11.6008, 0.2835, 0.4140



23.3667, 0.3026, 0.3516



12.5158, 0.3485, 0.4552



5.4338, 0.3017, 0.3540



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.



11.6008, 0.2835, 0.4140



19.6711, 0.2792, 0.4387



12.0286, 0.2564, 0.3422



3.4632, 0.3068, 0.3417



13.0011, 0.2790, 0.5243



66.0834, 0.2818, 0.5345

Inverse Universe

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



6.3550, 0.3618, 0.2583



9.2678, 0.3789, 0.2437



6.0170, 0.4247, 0.3172



3.1442, 0.3191, 0.3167



4.2436, 0.4493, 0.2249



21.4478, 0.4587, 0.2300

Previews

White Background



This preview shows how the Yxy color 11.6003, 0.2835, 0.4140 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 11.6003, 0.2835, 0.4140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

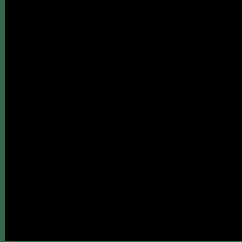
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.6003, 0.2835, 0.4140

Background



This preview shows how black text looks on a background with the Yxy color 11.6003, 0.2835, 0.4140.



This preview shows how white text looks on a background with the Yxy color 11.6003, 0.2835, 0.4140.

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

11.6003, 0.2835, 0.4140

Protanopia

11.4514, 0.3611, 0.3873

Deuteranopia

11.5193, 0.3639, 0.3603



Tritanopia

11.6853, 0.2544, 0.3091

Trichromacy



Original Color

11.6003, 0.2835, 0.4140

Protanomaly

11.3229, 0.3288, 0.3970

Deuteranomaly

11.2589, 0.3303, 0.3782

Tritanomaly

11.5242, 0.2651, 0.3444

Monochromacy



Original Color

11.6003, 0.2835, 0.4140

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

10.1258, 0.2993, 0.3580

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6003, 0.2835, 0.4140 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(54, 106, 75)` looks like.

```
.text, #text, p{  
    color:rgb(54, 106, 75)  
}
```

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(54, 106, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 106, 75) }
```

Border

The CSS property to change the border of an element to Yxy 11.6003, 0.2835, 0.4140 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(54, 106, 75) }
```

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

```
.border{ border-color:rgb(54, 106, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 106, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 106, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 106, 75);  
box-shadow:4px 4px 4px 4px rgb(54, 106,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 11.6003, 0.2835, 0.4140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 106, 75) }
```

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

```
.background{ background-color: rgb(54, 106,  
75) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor