

Converting Colors

$Y_{xy}(11.7421, 0.3130, 0.4279)$

Have a look what the booklet for
Yxy(11.7421, 0.3130, 0.4279)
contains.

Yxy(11.8480, 0.3133, 0.4285)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(11.8480, 0.3133, 0.4285)

Conversions

Conversions Part 1

Format	Color
Hex	476943
RGB	71, 105, 67
RGB Percent	28%, 41%, 26%
CMY	0.7216, 0.5882, 0.7373
CMYK	0.32, 0.00, 0.36, 0.59
HSL	114°, 22%, 34%
HSV	114°, 36%, 41%
XYZ	8.6627, 11.8480, 7.1392
YIQ	90.5020, -8.0660, -19.0260

Conversions

Conversions Part 2

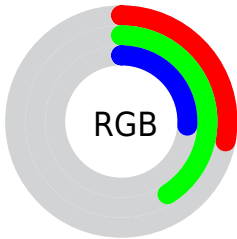
Format	Color
R_{YB}	67, 105, 101
Decimal	4680003
CIE _{Lab}	40.97, -20.56, 17.58
CIE _{LCh}	41, 27.054, 139.467
Yxy	11.8480, 0.3133, 0.4285
Android (android.graphics.Color)	4282870083 (0xFF476943)
YUV	90.5020, -11.5865, -17.1033
Hunter-Lab	34.4209, -15.3135, 11.7974

Details

The Yxy color **11.8480, 0.3133, 0.4285** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **7.8003, 0.3094, 0.2432**, and the grayscale version is **10.3710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0797, 0.3151, 0.4007**, and **3.1948, 0.3089, 0.4889** is the 20% darker color. If you saturate the color by 10%, you get **11.4056, 0.3128, 0.4610**, and if you desaturate by 10%, it is **12.3692, 0.3135, 0.3976**.

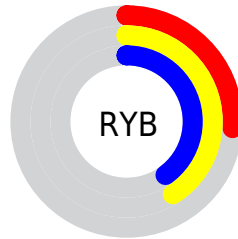
Distribution



Red (28%)

Green (41%)

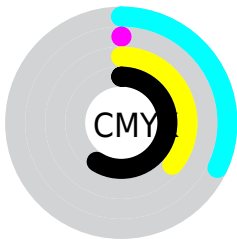
Blue (26%)



Red (26%)

Yellow (41%)

Blue (40%)

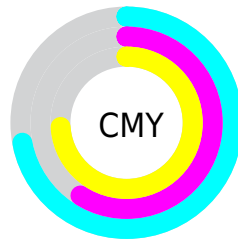


Cyan (32%)

Magenta (0%)

Yellow (36%)

Black (59%)



Cyan (72%)


Magenta (59%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8480, 0.3133, 0.4285 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 11.8480, 0.3133, 0.4285 by changing the saturation by 10% instead.


 11.8480, 0.3133,
0.4285


 11.8480, 0.3133,
0.4285

203.3964, 0.3144,
0.3652


 6.6403, 0.3116,
0.4521


 29.2180, 0.3144,
0.4007

 3.2382, 0.3076,
0.4898

 42.1490, 0.3145,
0.3919

 1.2573, 0.3258,
0.6275

 58.4232, 0.3146,
0.3850

 0.1078, 0.0000,
1.0000

 78.4251, 0.3146,
0.3795

 0.0000, 0.0000,
0.0000

 102.5389, 0.3145,
0.3749

131.1491, 0.3145,

0.3712

164.6402, 0.3144,
0.3679

■ 11.8480, 0.3133,
0.4285

■ 11.8480, 0.3133,
0.4285

■ 11.4056, 0.3128,
0.4610

■ 12.3692, 0.3135,
0.3976

■ 11.0367, 0.3119,
0.4937

■ 12.9713, 0.3133,
0.3692

■ 10.7377, 0.3105,
0.5249


■ 13.6579, 0.3130,
0.3435


■ 10.5043, 0.3087,
0.5526


■ 14.4322, 0.3125,
0.3206


■ 10.3314, 0.3066,
0.5746


■ 15.2972, 0.3120,
0.3005

 10.2111, 0.3046,
0.5908

 16.2556, 0.3113,
0.2829

 10.1755, 0.3043,
0.5966

 17.3101, 0.3107,
0.2676

 18.4633, 0.3100,
0.2542

 19.7177, 0.3094,
0.2425

Harmonies

Analogous

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



11.8480, 0.3708, 0.4364



11.8480, 0.3133, 0.4285



11.8480, 0.2585, 0.3837

Triad

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



11.8480, 0.3133, 0.4285



11.8480, 0.2166, 0.2422



11.8480, 0.4132, 0.3232

Complementary

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



11.8480, 0.3133, 0.4285



7.8003, 0.3094, 0.2432

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.



11.8480, 0.3639, 0.2812



11.8480, 0.3133, 0.4285



11.8480, 0.2500, 0.2361

Square

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



11.8480, 0.3133, 0.4285



11.8480, 0.2063, 0.2713



11.8480, 0.3029, 0.2504



11.8480, 0.4319, 0.3693

Rectangle

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



11.8480, 0.3133, 0.4285



11.8480, 0.2308, 0.3429



11.8480, 0.3029, 0.2504



11.8480, 0.3994, 0.3084

Sweetspot

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



11.8485, 0.3133, 0.4285



23.8060, 0.3132, 0.3563



12.6326, 0.3667, 0.4045



5.5501, 0.3132, 0.3587



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.



11.8485, 0.3133, 0.4285



20.5664, 0.3129, 0.4545



11.8996, 0.2909, 0.3902



3.4586, 0.3131, 0.3504



12.8733, 0.3039, 0.5969



65.4005, 0.3020, 0.5984

Inverse Universe

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



7.8003, 0.3094, 0.2432



12.2074, 0.3082, 0.2245



7.7625, 0.3437, 0.2751



3.1485, 0.3122, 0.3084



4.2917, 0.2956, 0.1402



21.6446, 0.2941, 0.1394

Previews

White Background



This preview shows how the Yxy color 11.8480, 0.3133, 0.4285 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 11.8480, 0.3133, 0.4285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

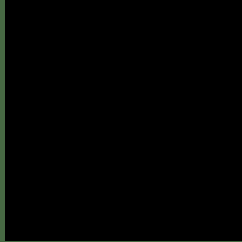
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8480, 0.3133, 0.4285

Background



This preview shows how black text looks on a background with the Yxy color 11.8480, 0.3133, 0.4285.



This preview shows how white text looks on a background with the Yxy color 11.8480, 0.3133, 0.4285.

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

11.8480, 0.3133, 0.4285

Protanopia

11.7279, 0.3757, 0.4041

Deuteranopia

11.6739, 0.3834, 0.3770



Tritanopia

11.8168, 0.2728, 0.3098

Trichromacy



Original Color

11.8480, 0.3133, 0.4285

Protanomaly

11.6210, 0.3524, 0.4136

Deuteranomaly

11.5757, 0.3547, 0.3954

Tritanomaly

11.7889, 0.2871, 0.3515

Monochromacy



Original Color

11.8480, 0.3133, 0.4285

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.8598, 0.3141, 0.3643

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8480, 0.3133, 0.4285 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(71, 105, 67)` looks like.

```
.text, #text, p{  
    color:rgb(71, 105, 67)  
}
```

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(71, 105, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 105, 67) }
```

Border

The CSS property to change the border of an element to Yxy 11.8480, 0.3133, 0.4285 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(71, 105, 67) }
```

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

```
.border{ border-color:rgb(71, 105, 67) }
```

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

Here you see how a box with a 4 pixel rgb(71, 105, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 105, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 105, 67);  
box-shadow:4px 4px 4px 4px rgb(71, 105,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8480, 0.3133, 0.4285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 105, 67) }
```

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

```
.background{ background-color: rgb(71, 105,  
67) }
```

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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