

Converting Colors

$Y_{xy}(10.6458, 0.2886, 0.4299)$

Have a look what the booklet for
Yxy(10.6458, 0.2886, 0.4299)
contains.

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Color

Yxy(10.6118, 0.2884, 0.4292)

Conversions

Conversions Part 1

Format	Color
Hex	336643
RGB	51, 102, 67
RGB Percent	20%, 40%, 26%
CMY	0.7999, 0.6000, 0.7373
CMYK	0.50, 0.00, 0.34, 0.60
HSL	139°, 33%, 30%
HSV	139°, 50%, 40%
XYZ	7.1306, 10.6118, 6.9822
YIQ	82.7610, -19.1610, -21.6970

Conversions

Conversions Part 2

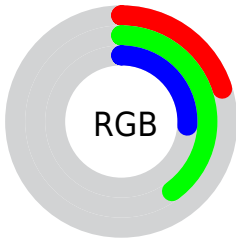
Format	Color
RYB	51, 90, 102
Decimal	3368515
CIELab	38.92, -25.84, 14.64
CIElCh	39, 29.697, 150.474
Yxy	10.6118, 0.2884, 0.4292
Android (android.graphics.Color)	4281558595 (0xFF336643)
YUV	82.7610, -7.7702, -27.8544
Hunter-Lab	32.5758, -17.9353, 10.0949

Details

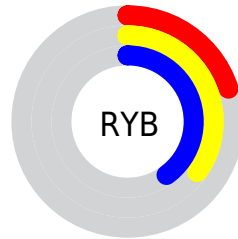
The Yxy color **10.6118, 0.2884, 0.4292** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **5.8669, 0.3519, 0.2474**, and the grayscale version is **8.6194, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.7870, 0.2964, 0.3999**, and **2.7043, 0.2700, 0.4920** is the 20% darker color. If you saturate the color by 10%, you get **10.2966, 0.2853, 0.4538**, and if you desaturate by 10%, it is **10.9962, 0.2924, 0.4057**.

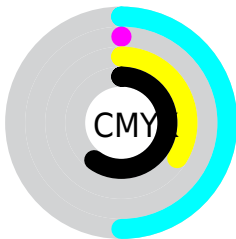
Distribution



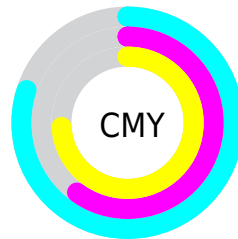
- Red (20%)
- Green (40%)
- Blue (26%)



- Red (20%)
- Yellow (35%)
- Blue (40%)



- Cyan (50%)
- Magenta (0%)
- Yellow (34%)
- Black (60%)





- Cyan (80%)
- Magenta (60%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.6118, 0.2884, 0.4292 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 10.6118, 0.2884, 0.4292 by changing the saturation by 10% instead.


 10.6118, 0.2884,
0.4292


 10.6118, 0.2884,
0.4292


194.9845, 0.3049,
0.3642

 5.8064, 0.2812,
0.4547

 26.9401, 0.2961,
0.4001


 2.7277, 0.2684,
0.4969


 39.2317, 0.2984,
0.3911

 0.9913, 0.2277,
0.7338

 54.7877, 0.3002,
0.3841

 0.0000, 0.0000,
0.0000

 73.9922, 0.3015,
0.3785

 97.2298, 0.3026,
0.3739

 124.8847, 0.3035,

0.3701

157.3415, 0.3043,
0.3669

■ 10.6118, 0.2884,
0.4292

■ 10.6118, 0.2884,
0.4292

■ 10.2966, 0.2853,
0.4538

■ 10.9962, 0.2924,
0.4057

■ 10.0450, 0.2834,
0.4787

■ 11.4524, 0.2971,
0.3837

■ 9.8529, 0.2829,
0.5030


■ 11.9843, 0.3021,
0.3635

■ 9.7149, 0.2839,
0.5258

■ 12.5953, 0.3074,
0.3453


■ 9.6069, 0.2852,
0.5466


■ 13.2884, 0.3127,
0.3290

 9.6066, 0.2852,
0.5467

 14.0666, 0.3180,
0.3145

 14.9327, 0.3231,
0.3017

 15.8893, 0.3280,
0.2905

 16.9391, 0.3327,
0.2806

Harmonies

Analogous

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



10.6118, 0.3542, 0.4538



10.6118, 0.2884, 0.4292



10.6118, 0.2326, 0.3659

Triad

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



10.6118, 0.2884, 0.4292



10.6118, 0.2156, 0.2262



10.6118, 0.4398, 0.3400

Complementary

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



10.6118, 0.2884, 0.4292



5.8669, 0.3519, 0.2474

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.



10.6118, 0.3944, 0.2911



10.6118, 0.2884, 0.4292



10.6118, 0.2614, 0.2285

Square

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



10.6118, 0.2884, 0.4292



10.6118, 0.1947, 0.2481



10.6118, 0.3265, 0.2517



10.6118, 0.4451, 0.3912

Rectangle

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



10.6118, 0.2884, 0.4292



10.6118, 0.2079, 0.3184



10.6118, 0.3265, 0.2517



10.6118, 0.4286, 0.3231

Sweetspot

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



10.6122, 0.2884, 0.4292



21.4878, 0.3045, 0.3550



11.7539, 0.3569, 0.4534



5.0326, 0.3037, 0.3577



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

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



10.6122, 0.2884, 0.4292



17.9733, 0.2849, 0.4581



10.9763, 0.2611, 0.3565



3.1555, 0.3080, 0.3435



12.3316, 0.2859, 0.5491



64.1738, 0.2887, 0.5592

Inverse Universe

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



5.8669, 0.3519, 0.2474



8.5796, 0.3650, 0.2307



5.5339, 0.4136, 0.3047



2.8752, 0.3178, 0.3150



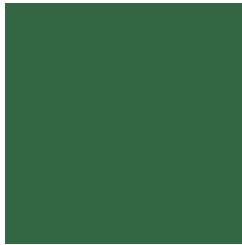
4.1894, 0.4148, 0.2058



21.6871, 0.4217, 0.2097

Previews

White Background



This preview shows how the Yxy color 10.6118, 0.2884, 0.4292 looks on a white background.

Color Contrast Check

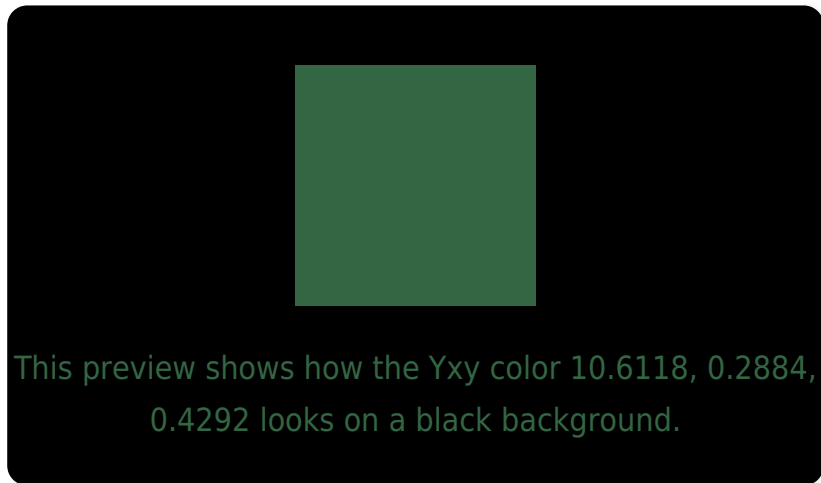
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.6118, 0.2884, 0.4292

Background



This preview shows how black text looks on a background with the Yxy color 10.6118, 0.2884, 0.4292.



This preview shows how white text looks on a background with the Yxy color 10.6118, 0.2884, 0.4292.

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

10.6118, 0.2884, 0.4292

Protanopia

10.4826, 0.3709, 0.3985

Deuteranopia

10.5474, 0.3743, 0.3704



Tritanopia

10.5300, 0.2544, 0.3083

Trichromacy



Original Color

10.6118, 0.2884, 0.4292

Protanomaly

10.3484, 0.3366, 0.4099

Deuteranomaly

10.2846, 0.3385, 0.3903

Tritanomaly

10.5489, 0.2671, 0.3505

Monochromacy



Original Color

10.6118, 0.2884, 0.4292

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

9.1877, 0.3016, 0.3649

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.6118, 0.2884, 0.4292 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(51, 102, 67)` looks like.

```
.text, #text, p{  
    color:rgb(51, 102, 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(51, 102, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 102, 67) }
```

Border

The CSS property to change the border of an element to Yxy 10.6118, 0.2884, 0.4292 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(51, 102, 67) }
```

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

```
.border{ border-color:rgb(51, 102, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 102, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 102, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 102, 67);  
box-shadow:4px 4px 4px 4px rgb(51, 102,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 10.6118, 0.2884, 0.4292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 102, 67) }
```

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

```
.background{ background-color: rgb(51, 102,  
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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