

Converting Colors

$Y_{xy}(10.6166, 0.2746, 0.3878)$

Have a look what the booklet for
Yxy(10.6166, 0.2746, 0.3878)
contains.

Yxy(10.6166, 0.2746, 0.3878)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.6166, 0.2746, 0.3878)

Conversions

Conversions Part 1

Format	Color
Hex	346550
RGB	52, 101, 80
RGB Percent	20%, 40%, 31%
CMY	0.7961, 0.6039, 0.6863
CMYK	0.49, 0.00, 0.21, 0.60
HSL	154°, 32%, 30%
HSV	154°, 49%, 40%
XYZ	7.5176, 10.6166, 9.2423
YIQ	83.9550, -22.4630, -16.9190

Conversions

Conversions Part 2

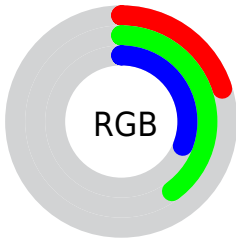
Format	Color
RYB	52, 83, 101
Decimal	3433808
CIELab	38.93, -22.13, 6.81
CIElCh	39, 23.151, 162.904
Yxy	10.6166, 0.2746, 0.3878
Android (android.graphics.Color)	4281623888 (0xFF346550)
YUV	83.9550, -1.9498, -28.0245
Hunter-Lab	32.5831, -15.8369, 5.9904

Details

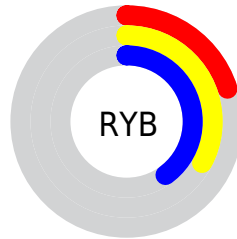
The Yxy color **10.6166, 0.2746, 0.3878** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **5.7035, 0.3805, 0.2783**, and the grayscale version is **8.8635, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.8662, 0.2855, 0.3711**, and **2.7657, 0.2512, 0.4242** is the 20% darker color. If you saturate the color by 10%, you get **10.3152, 0.2692, 0.4027**, and if you desaturate by 10%, it is **10.9804, 0.2811, 0.3737**.

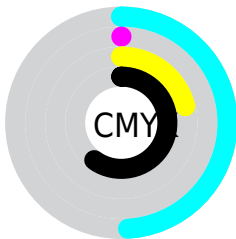
Distribution



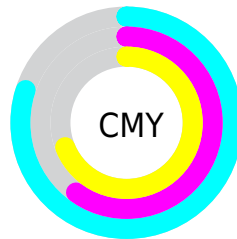
- Red (20%)
- Green (40%)
- Blue (31%)



- Red (20%)
- Yellow (33%)
- Blue (40%)



- Cyan (49%)
- Magenta (0%)
- Yellow (21%)
- Black (60%)





- Cyan (80%)
- Magenta (60%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.6166, 0.2746, 0.3878 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 10.6166, 0.2746, 0.3878 by changing the saturation by 10% instead.


 10.6166, 0.2746,
0.3878


 10.6166, 0.2746,
0.3878


195.0180, 0.2987,
0.3502


 5.8097, 0.2656,
0.4021

 26.9490, 0.2852,
0.3712

 2.7297, 0.2511,
0.4256

 39.2432, 0.2885,
0.3660

 0.9923, 0.2004,
0.4982

 54.8020, 0.2911,
0.3619

 0.0000, 0.0000,
0.0000

 74.0097, 0.2933,
0.3587

 97.2508, 0.2950,
0.3560

 124.9096, 0.2965,

0.3537

157.3705, 0.2977,
0.3519

■ 10.6166, 0.2746,
0.3878

■ 10.6166, 0.2746,
0.3878

■ 10.3152, 0.2692,
0.4027

■ 10.9804, 0.2811,
0.3737

■ 10.0710, 0.2653,
0.4181

■ 11.4087, 0.2886,
0.3606

■ 9.8804, 0.2631,
0.4338


■ 11.9051, 0.2967,
0.3485

■ 9.7385, 0.2626,
0.4495


■ 12.4726, 0.3053,
0.3375

■ 9.6267, 0.2631,
0.4652


■ 13.1140, 0.3140,
0.3276

 9.6105, 0.2632,
0.4675

 13.8320, 0.3228,
0.3187

 14.6289, 0.3316,
0.3107

 15.5073, 0.3401,
0.3037

 16.4693, 0.3485,
0.2975

Harmonies

Analogous

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



10.6166, 0.3254, 0.4210



10.6166, 0.2746, 0.3878



10.6166, 0.2361, 0.3355

Triad

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



10.6166, 0.2746, 0.3878



10.6166, 0.2485, 0.2450



10.6166, 0.4177, 0.3571

Complementary

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



10.6166, 0.2746, 0.3878



5.7035, 0.3805, 0.2783

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.



10.6166, 0.3941, 0.3156



10.6166, 0.2746, 0.3878



10.6166, 0.2928, 0.2539

Square

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



10.6166, 0.2746, 0.3878



10.6166, 0.2224, 0.2554



10.6166, 0.3468, 0.2791



10.6166, 0.4099, 0.3961

Rectangle

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



10.6166, 0.2746, 0.3878



10.6166, 0.2215, 0.3014



10.6166, 0.3468, 0.2791



10.6166, 0.4132, 0.3431

Sweetspot

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



10.6170, 0.2746, 0.3878



20.7259, 0.2993, 0.3450



10.9813, 0.3355, 0.4582



5.0649, 0.2981, 0.3467



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.



10.6170, 0.2746, 0.3878



17.6568, 0.2687, 0.4043



10.3555, 0.2507, 0.3201



3.1664, 0.3049, 0.3380



12.5929, 0.2638, 0.4697



65.5007, 0.2663, 0.4785

Inverse Universe

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



5.7035, 0.3805, 0.2783



8.1335, 0.4047, 0.2681



5.7722, 0.4304, 0.3373



2.8641, 0.3213, 0.3202



3.8512, 0.5162, 0.2617



19.9173, 0.5301, 0.2694

Previews

White Background



This preview shows how the Yxy color 10.6166, 0.2746, 0.3878 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 10.6166, 0.2746, 0.3878 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 10.6166, 0.2746, 0.3878

Background



This preview shows how black text looks on a background with the Yxy color 10.6166, 0.2746, 0.3878.



This preview shows how white text looks on a background with the Yxy color 10.6166, 0.2746, 0.3878.

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

10.6166, 0.2746, 0.3878

Protanopia

10.5316, 0.3471, 0.3677

Deuteranopia

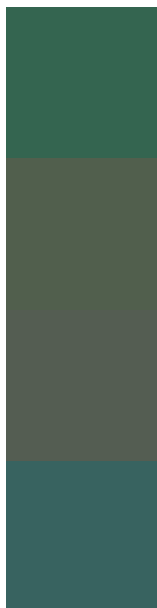
10.4875, 0.3458, 0.3407



Tritanopia

10.6851, 0.2537, 0.3109

Trichromacy



Original Color

10.6166, 0.2746, 0.3878

Protanomaly

10.4696, 0.3166, 0.3756

Deuteranomaly

10.3227, 0.3145, 0.3570

Tritanomaly

10.6090, 0.2605, 0.3368

Monochromacy



Original Color

10.6166, 0.2746, 0.3878

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

9.3146, 0.2947, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.6166, 0.2746, 0.3878 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(52, 101, 80)` looks like.

```
.text, #text, p{  
    color:rgb(52, 101, 80)  
}
```

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(52, 101, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 101, 80) }
```

Border

The CSS property to change the border of an element to Yxy 10.6166, 0.2746, 0.3878 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(52, 101, 80) }
```

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

```
.border{ border-color:rgb(52, 101, 80) }
```

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

Here you see how a box with a 4 pixel rgb(52, 101, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 101, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 101, 80);  
box-shadow:4px 4px 4px 4px rgb(52, 101,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 10.6166, 0.2746, 0.3878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 101, 80) }
```

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

```
.background{ background-color: rgb(52, 101,  
80) }
```

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