

Converting Colors

$Y_{xy}(11.2760, 0.2874, 0.3873)$

Have a look what the booklet for
Yxy(11.2760, 0.2874, 0.3873)
contains.

Yxy(11.3846, 0.2877, 0.3876)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(11.3846, 0.2877, 0.3876)

Conversions

Conversions Part 1

Format	Color
Hex	406751
RGB	64, 103, 81
RGB Percent	25%, 40%, 32%
CMY	0.7490, 0.5961, 0.6823
CMYK	0.38, 0.00, 0.21, 0.60
HSL	146°, 23%, 33%
HSV	146°, 38%, 40%
XYZ	8.4503, 11.3846, 9.5371
YIQ	88.8310, -16.1820, -15.1100

Conversions

Conversions Part 2

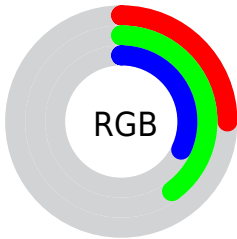
Format	Color
RYB	64, 91, 103
Decimal	4220753
CIELab	40.22, -19.17, 8.11
CIElCh	40, 20.817, 157.067
Yxy	11.3846, 0.2877, 0.3876
Android (android.graphics.Color)	4282410833 (0xFF406751)
YUV	88.8310, -3.8607, -21.7768
Hunter-Lab	33.7411, -14.3422, 6.8601

Details

The Yxy color **11.3846, 0.2877, 0.3876** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.2235, 0.3496, 0.2773**, and the grayscale version is **9.9628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.2336, 0.2946, 0.3714**, and **3.0749, 0.2728, 0.4272** is the 20% darker color. If you saturate the color by 10%, you get **10.9875, 0.2824, 0.4065**, and if you desaturate by 10%, it is **11.8539, 0.2938, 0.3700**.

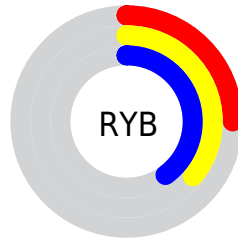
Distribution



Red (25%)

Green (40%)

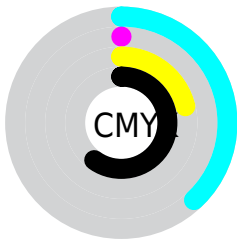
Blue (32%)



Red (25%)

Yellow (36%)

Blue (40%)

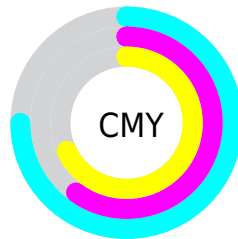


Cyan (38%)

Magenta (0%)

Yellow (21%)

Black (60%)



Cyan (75%)

Magenta (60%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.3846, 0.2877, 0.3876 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 11.3846, 0.2877, 0.3876 by changing the saturation by 10% instead.

■ 11.3846, 0.2877,
0.3876

■ 11.3846, 0.2877,
0.3876

■ 200.2875, 0.3036,
0.3505

■ 6.3261, 0.2817,
0.4015

■ 28.3692, 0.2947,
0.3713

■ 3.0444, 0.2720,
0.4239

■ 41.0641, 0.2969,
0.3662

■ 1.1550, 0.2503,
0.4758

■ 57.0733, 0.2986,
0.3621

■ 0.0244, 0.0000,
1.0000

■ 76.7812, 0.3000,
0.3589

■ 0.0000, 0.0000,
0.0000

■ 100.5722, 0.3012,
0.3562

■ 128.8306, 0.3021,

0.3540

161.9409, 0.3029,
0.3521

■ 11.3846, 0.2877,
0.3876

■ 11.3846, 0.2877,
0.3876

■ 10.9875, 0.2824,
0.4065

■ 11.8539, 0.2938,
0.3700

■ 10.6575, 0.2781,
0.4265

■ 12.3974, 0.3004,
0.3540

■ 10.3911, 0.2751,
0.4471


■ 13.0188, 0.3072,
0.3394

■ 10.1836, 0.2737,
0.4679


■ 13.7211, 0.3142,
0.3263


■ 10.0300, 0.2740,
0.4883

■ 14.5072, 0.3212,
0.3147


 9.9132, 0.2754,
0.5079

 15.3798, 0.3280,
0.3044

 9.8892, 0.2756,
0.5121

 16.3413, 0.3345,
0.2953

 17.3945, 0.3409,
0.2873

 18.5415, 0.3469,
0.2802

Harmonies

Analogous

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



11.3846, 0.3335, 0.4115



11.3846, 0.2877, 0.3876



11.3846, 0.2504, 0.3442

Triad

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



11.3846, 0.2877, 0.3876



11.3846, 0.2499, 0.2548



11.3846, 0.4029, 0.3475

Complementary

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



11.3846, 0.2877, 0.3876



7.2235, 0.3496, 0.2773

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.



11.3846, 0.3773, 0.3106



11.3846, 0.2877, 0.3876



11.3846, 0.2868, 0.2593

Square

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



11.3846, 0.2877, 0.3876



11.3846, 0.2301, 0.2681



11.3846, 0.3336, 0.2793



11.3846, 0.4018, 0.3830

Rectangle

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



11.3846, 0.2877, 0.3876



11.3846, 0.2348, 0.3136



11.3846, 0.3336, 0.2793



11.3846, 0.3972, 0.3350

Sweetspot

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



11.3851, 0.2877, 0.3876



22.9093, 0.3048, 0.3443



12.0543, 0.3395, 0.4252



5.5632, 0.3042, 0.3456



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.



11.3851, 0.2877, 0.3876



19.7753, 0.2831, 0.4035



11.7188, 0.2658, 0.3354



3.1606, 0.3065, 0.3409



12.4349, 0.2762, 0.5143



64.6851, 0.2791, 0.5247

Inverse Universe

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



7.2235, 0.3496, 0.2773



11.2019, 0.3612, 0.2657



6.9521, 0.3915, 0.3229



2.8699, 0.3194, 0.3174



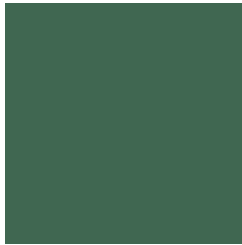
4.0065, 0.4614, 0.2315



20.7182, 0.4720, 0.2374

Previews

White Background



This preview shows how the Yxy color 11.3846, 0.2877, 0.3876 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 11.3846, 0.2877, 0.3876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

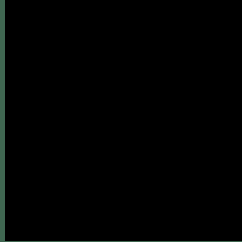
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.3846, 0.2877, 0.3876

Background



This preview shows how black text looks on a background with the Yxy color 11.3846, 0.2877, 0.3876.



This preview shows how white text looks on a background with the Yxy color 11.3846, 0.2877, 0.3876.

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

11.3846, 0.2877, 0.3876

Protanopia

11.2506, 0.3477, 0.3691

Deuteranopia

11.2481, 0.3497, 0.3449



Tritanopia

11.2873, 0.2641, 0.3092

Trichromacy



Original Color

11.3846, 0.2877, 0.3876

Protanomaly

11.1257, 0.3241, 0.3764

Deuteranomaly

11.0331, 0.3238, 0.3583

Tritanomaly

11.2251, 0.2721, 0.3340

Monochromacy



Original Color

11.3846, 0.2877, 0.3876

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

10.3828, 0.3026, 0.3495

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.3846, 0.2877, 0.3876 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(64, 103, 81)` looks like.

```
.text, #text, p{  
  color:rgb(64, 103, 81)  
}
```

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(64, 103, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 103, 81) }
```

Border

The CSS property to change the border of an element to Yxy 11.3846, 0.2877, 0.3876 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(64, 103, 81) }
```

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

```
.border{ border-color:rgb(64, 103, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 103, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 103, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 103, 81);  
box-shadow:4px 4px 4px 4px rgb(64, 103,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 11.3846, 0.2877, 0.3876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 103, 81) }
```

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

```
.background{ background-color: rgb(64, 103,  
81) }
```

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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