

Converting Colors

$Y_{xy}(11.1225, 0.2411, 0.3233)$

Have a look what the booklet for
Yxy(11.1225, 0.2411, 0.3233)
contains.

Yxy(11.2127, 0.2411, 0.3235)	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(11.2127, 0.2411, 0.3235)

Conversions

Conversions Part 1

Format	Color
Hex	2A6769
RGB	42, 103, 105
RGB Percent	16%, 40%, 41%
CMY	0.8351, 0.5961, 0.5882
CMYK	0.60, 0.02, 0.00, 0.59
HSL	182°, 43%, 29%
HSV	182°, 60%, 41%
XYZ	8.3567, 11.2127, 15.0912
YIQ	84.9890, -36.9980, -12.3100

Conversions

Conversions Part 2

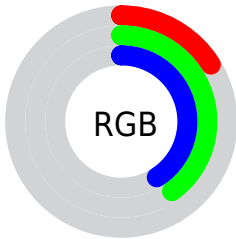
Format	Color
RYB	42, 73, 105
Decimal	2778985
CIELab	39.94, -18.77, -7.06
CIELCh	40, 20.057, 200.611
Yxy	11.2127, 0.2411, 0.3235
Android (android.graphics.Color)	4280969065 (0xFF2A6769)
YUV	84.9890, 9.8654, -37.7014
Hunter-Lab	33.4854, -14.0526, -3.2811




Details

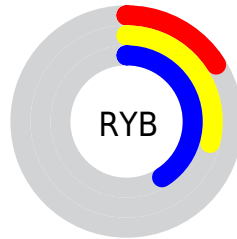
The Yxy color **11.2127, 0.2411, 0.3235** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **4.9774, 0.4796, 0.3339**, and the grayscale version is **9.0694, 0.3127, 0.3290**.




A 20% lighter version of the original color is **27.9444, 0.2593, 0.3253**, and **3.1338, 0.2221, 0.3196** is the 20% darker color. If you saturate the color by 10%, you get **10.9530, 0.2340, 0.3225**, and if you desaturate by 10%, it is **11.5316, 0.2498, 0.3245**.

Distribution







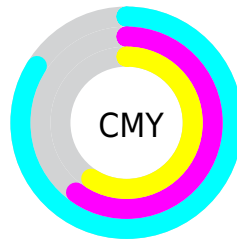
-  Red (16%)
-  Green (40%)
-  Blue (41%)






-  Red (16%)
-  Yellow (29%)
-  Blue (41%)



-  Cyan (60%)
-  Magenta (2%)
-  Yellow (0%)
-  Black (59%)





-  Cyan (84%)
-  Magenta (60%)
-  Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 11.2127, 0.2411, 0.3235 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 11.2127, 0.2411, 0.3235 by changing the saturation by 10% instead.


 11.2127, 0.2411,
0.3235


 11.2127, 0.2411,
0.3235


 199.1210, 0.2845,
0.3278


 6.2101, 0.2265,
0.3214

 28.0528, 0.2593,
0.3257


 2.9732, 0.2048,
0.3174


 40.6591, 0.2653,
0.3262

 1.1178, 0.1634,
0.3110

 56.5688, 0.2701,
0.3267

 0.0000, 0.0000,
0.0000

 76.1661, 0.2740,
0.3270

 99.8357, 0.2773,
0.3273

 127.9617, 0.2801,

0.3275

160.9287, 0.2824,
0.3276

■ 11.2127, 0.2411,
0.3235

■ 11.2127, 0.2411,
0.3235

■ 10.9530, 0.2340,
0.3225

■ 11.5316, 0.2498,
0.3245

■ 10.7467, 0.2287,
0.3215

■ 11.9125, 0.2601,
0.3255

■ 10.5886, 0.2250,
0.3205

■ 12.3597, 0.2718,
0.3264

■ 10.4549, 0.2221,
0.3195

■ 12.8766, 0.2846,
0.3274

■ 10.4544, 0.2221,
0.3195

■ 13.4665, 0.2984,
0.3282

■ 14.1323, 0.3128,
0.3290

■ 14.8770, 0.3276,
0.3297

■ 15.7032, 0.3426,
0.3304

■ 16.6134, 0.3576,
0.3310

Harmonies

Analogous

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



11.2127, 0.2706, 0.3681



11.2127, 0.2411, 0.3235



11.2127, 0.2301, 0.2849

Triad

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



11.2127, 0.2411, 0.3235



11.2127, 0.3076, 0.2684



11.2127, 0.3902, 0.3943

Complementary

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



11.2127, 0.2411, 0.3235



4.9774, 0.4796, 0.3339

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.



11.2127, 0.4029, 0.3633



11.2127, 0.2411, 0.3235



11.2127, 0.3534, 0.2935

Square

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



11.2127, 0.2411, 0.3235



11.2127, 0.2662, 0.2569



11.2127, 0.3893, 0.3271



11.2127, 0.3566, 0.4102

Rectangle

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



11.2127, 0.2411, 0.3235



11.2127, 0.2338, 0.2676



11.2127, 0.3893, 0.3271



11.2127, 0.3972, 0.3851

Sweetspot

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



11.2131, 0.2411, 0.3235



23.1962, 0.2866, 0.3275



10.7738, 0.3033, 0.5069



5.3825, 0.2836, 0.3273



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.



11.2131, 0.2411, 0.3235



19.4454, 0.2316, 0.3221



6.2103, 0.2224, 0.2359



3.4761, 0.2997, 0.3283



13.2240, 0.2220, 0.3194



67.1293, 0.2219, 0.3188

Inverse Universe

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



5.6424, 0.3230, 0.2002



8.5358, 0.3253, 0.1793



8.1466, 0.4326, 0.4036



3.1623, 0.3141, 0.3091



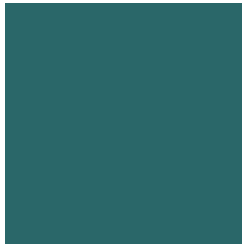
5.0073, 0.3287, 0.1585



25.4890, 0.3292, 0.1587

Previews

White Background



This preview shows how the Yxy color 11.2127, 0.2411, 0.3235 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 11.2127, 0.2411, 0.3235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

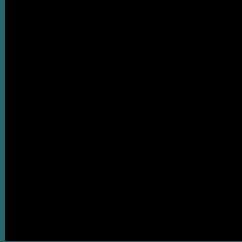
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.2127, 0.2411, 0.3235

Background



This preview shows how black text looks on a background with the Yxy color 11.2127, 0.2411, 0.3235.



This preview shows how white text looks on a background with the Yxy color 11.2127, 0.2411, 0.3235.

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

11.2127, 0.2411, 0.3235

Protanopia

11.1092, 0.3057, 0.3150

Deuteranopia

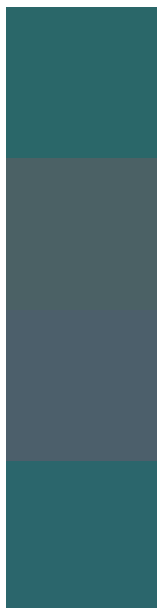
11.0517, 0.2962, 0.2905



Tritanopia

11.1640, 0.2376, 0.3082

Trichromacy



Original Color

11.2127, 0.2411, 0.3235

Protanomaly

10.9848, 0.2766, 0.3190

Deuteranomaly

10.7825, 0.2703, 0.2996

Tritanomaly

11.0990, 0.2386, 0.3132

Monochromacy



Original Color

11.2127, 0.2411, 0.3235

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

9.6922, 0.2787, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.2127, 0.2411, 0.3235 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(42, 103, 105)` looks like.

```
.text, #text, p{  
    color:rgb(42, 103, 105)  
}
```

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(42, 103, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 103, 105) }
```

Border

The CSS property to change the border of an element to Yxy 11.2127, 0.2411, 0.3235 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(42, 103, 105) }
```

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

```
.border{ border-color:rgb(42, 103, 105) }
```

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

Here you see how a box with a 4 pixel rgb(42, 103, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 103, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 103, 105);  
box-shadow:4px 4px 4px 4px rgb(42, 103,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 11.2127, 0.2411, 0.3235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 103, 105) }
```

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

```
.background{ background-color: rgb(42, 103,  
105) }
```

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