

Converting Colors

$Y_{xy}(11.9318, 0.2853, 0.4150)$

Have a look what the booklet for
Yxy(11.9318, 0.2853, 0.4150)
contains.

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Color

Yxy(11.8641, 0.2859, 0.4157)

Conversions

Conversions Part 1

Format	Color
Hex	386B4B
RGB	56, 107, 75
RGB Percent	22%, 42%, 29%
CMY	0.7803, 0.5804, 0.7059
CMYK	0.48, 0.00, 0.30, 0.58
HSL	142°, 31%, 32%
HSV	142°, 48%, 42%
XYZ	8.1596, 11.8641, 8.5164
YIQ	88.1030, -20.1240, -20.7640

Conversions

Conversions Part 2

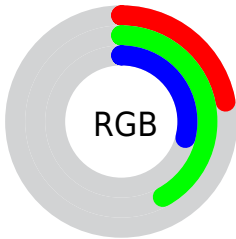
Format	Color
RYB	56, 93, 107
Decimal	3697483
CIELab	41.00, -25.12, 12.74
CIElCh	41, 28.164, 153.099
Yxy	11.8641, 0.2859, 0.4157
Android (android.graphics.Color)	4281887563 (0xFF386B4B)
YUV	88.1030, -6.4598, -28.1543
Hunter-Lab	34.4443, -17.9922, 9.4516

Details

The Yxy color **11.8641, 0.2859, 0.4157** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **6.6616, 0.3563, 0.2568**, and the grayscale version is **9.8017, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3157, 0.2936, 0.3916**, and **3.2462, 0.2672, 0.4691** is the 20% darker color. If you saturate the color by 10%, you get **11.5012, 0.2821, 0.4381**, and if you desaturate by 10%, it is **12.3036, 0.2906, 0.3944**.

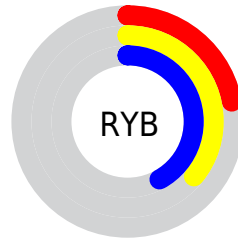
Distribution



 Red (22%)

 Green (42%)

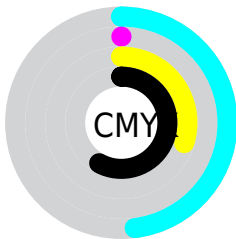
 Blue (29%)




 Red (22%)

 Yellow (36%)

 Blue (42%)

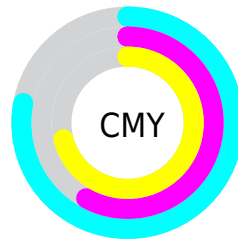


 Cyan (48%)


 Magenta (0%)

 Yellow (30%)

 Black (58%)



 Cyan (78%)


 Magenta (58%)


 Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8641, 0.2859, 0.4157 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 11.8641, 0.2859, 0.4157 by changing the saturation by 10% instead.


 11.8641, 0.2859,
0.4157


 11.8641, 0.2859,
0.4157


203.5035, 0.3034,
0.3604


 6.6512, 0.2789,
0.4366


 29.2473, 0.2938,
0.3914


 3.2449, 0.2673,
0.4703

 42.1865, 0.2962,
0.3837

 1.2609, 0.2430,
0.5629

 58.4698, 0.2981,
0.3777

 0.1106, 0.0000,
1.0000

 78.4818, 0.2996,
0.3729

 0.0000, 0.0000,
0.0000

 102.6067, 0.3008,
0.3689

 131.2291, 0.3018,

0.3656

164.7332, 0.3027,
0.3628

■ 11.8641, 0.2859,
0.4157

■ 11.8641, 0.2859,
0.4157

■ 11.5012, 0.2821,
0.4381

■ 12.3036, 0.2906,
0.3944

■ 11.2090, 0.2796,
0.4612

■ 12.8224, 0.2961,
0.3747

■ 10.9828, 0.2785,
0.4842

■ 13.4249, 0.3019,
0.3566


■ 10.8169, 0.2791,
0.5063

■ 14.1146, 0.3080,
0.3403


■ 10.6944, 0.2807,
0.5271


■ 14.8949, 0.3142,
0.3257

 10.6671, 0.2811,
0.5318

 15.7691, 0.3202,
0.3128

 16.7400, 0.3262,
0.3013

 17.8108, 0.3319,
0.2913

 18.9840, 0.3373,
0.2824

Harmonies

Analogous

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



11.8641, 0.3463, 0.4423



11.8641, 0.2859, 0.4157



11.8641, 0.2357, 0.3571

Triad

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



11.8641, 0.2859, 0.4157



11.8641, 0.2260, 0.2334



11.8641, 0.4308, 0.3442

Complementary

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



11.8641, 0.2859, 0.4157



6.6616, 0.3563, 0.2568

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.



11.8641, 0.3922, 0.2981



11.8641, 0.2859, 0.4157



11.8641, 0.2704, 0.2371

Square

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



11.8641, 0.2859, 0.4157



11.8641, 0.2043, 0.2522



11.8641, 0.3312, 0.2603



11.8641, 0.4329, 0.3913

Rectangle

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



11.8641, 0.2859, 0.4157



11.8641, 0.2140, 0.3145



11.8641, 0.3312, 0.2603



11.8641, 0.4216, 0.3284

Sweetspot

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



11.8646, 0.2859, 0.4157



24.4230, 0.3039, 0.3511



12.8907, 0.3503, 0.4504



5.8630, 0.3029, 0.3539



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



11.8646, 0.2859, 0.4157



20.5389, 0.2818, 0.4403



12.2806, 0.2593, 0.3462



3.4617, 0.3072, 0.3424



12.9719, 0.2816, 0.5336



65.9413, 0.2844, 0.5438

Inverse Universe

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



6.6616, 0.3563, 0.2568



9.9978, 0.3708, 0.2418



6.3136, 0.4157, 0.3135



3.1457, 0.3187, 0.3160



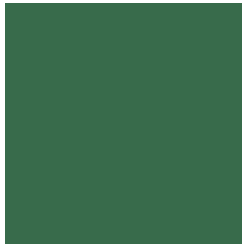
4.2923, 0.4370, 0.2181



21.6989, 0.4454, 0.2227

Previews

White Background



This preview shows how the Yxy color 11.8641, 0.2859, 0.4157 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 11.8641, 0.2859, 0.4157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

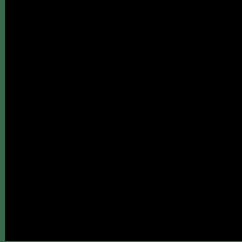
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8641, 0.2859, 0.4157

Background



This preview shows how black text looks on a background with the Yxy color 11.8641, 0.2859, 0.4157.



This preview shows how white text looks on a background with the Yxy color 11.8641, 0.2859, 0.4157.

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

11.8641, 0.2859, 0.4157

Protanopia

11.6915, 0.3621, 0.3891

Deuteranopia

11.6491, 0.3672, 0.3599



Tritanopia

11.7743, 0.2554, 0.3069

Trichromacy



Original Color

11.8641, 0.2859, 0.4157

Protanomaly

11.5607, 0.3300, 0.3989

Deuteranomaly

11.3605, 0.3334, 0.3778

Tritanomaly

11.8066, 0.2665, 0.3442

Monochromacy



Original Color

11.8641, 0.2859, 0.4157

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

10.3455, 0.3008, 0.3604

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8641, 0.2859, 0.4157 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(56, 107, 75)` looks like.

```
.text, #text, p{  
    color:rgb(56, 107, 75)  
}
```

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(56, 107, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 107, 75) }
```

Border

The CSS property to change the border of an element to Yxy 11.8641, 0.2859, 0.4157 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(56, 107, 75) }
```

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

```
.border{ border-color:rgb(56, 107, 75) }
```

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

Here you see how a box with a 4 pixel rgb(56, 107, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 107, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 107, 75);  
box-shadow:4px 4px 4px 4px rgb(56, 107,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8641, 0.2859, 0.4157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 107, 75) }
```

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

```
.background{ background-color: rgb(56, 107,  
75) }
```

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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