

Converting Colors

$Y_{xy}(11.8288, 0.2591, 0.3726)$

Have a look what the booklet for
Yxy(11.8288, 0.2591, 0.3726)
contains.

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Color

Yxy(11.8286, 0.2587, 0.3719)

Conversions

Conversions Part 1

Format	Color
Hex	2D6B5B
RGB	45, 107, 91
RGB Percent	18%, 42%, 36%
CMY	0.8236, 0.5804, 0.6431
CMYK	0.58, 0.00, 0.15, 0.58
HSL	165°, 41%, 30%
HSV	165°, 58%, 42%
XYZ	8.2282, 11.8286, 11.7491
YIQ	86.6380, -31.8160, -18.1200

Conversions

Conversions Part 2

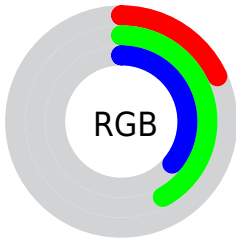
Format	Color
R _Y B	45, 81, 107
Decimal	2976603
CIE Lab	40.94, -24.25, 2.96
CIE LCh	41, 24.435, 173.042
Yxy	11.8286, 0.2587, 0.3719
Android (android.graphics.Color)	4281166683 (0xFF2D6B5B)
YUV	86.6380, 2.1505, -36.5165
Hunter-Lab	34.3927, -17.4826, 3.8205

Details

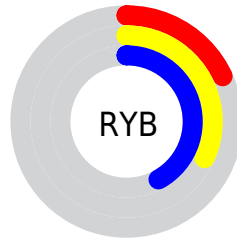
The Yxy color **11.8286, 0.2587, 0.3719** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **5.3388, 0.4307, 0.2931**, and the grayscale version is **9.4494, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.2607, 0.2730, 0.3609**, and **3.3174, 0.2434, 0.3963** is the 20% darker color. If you saturate the color by 10%, you get **11.5697, 0.2534, 0.3808**, and if you desaturate by 10%, it is **12.1518, 0.2655, 0.3633**.

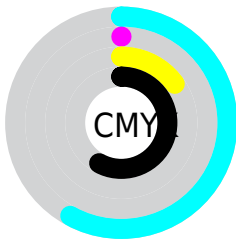
Distribution



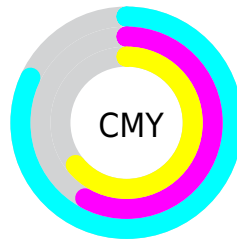
- Red (18%)
- Green (42%)
- Blue (36%)



- Red (18%)
- Yellow (32%)
- Blue (42%)



- Cyan (58%)
- Magenta (0%)
- Yellow (15%)
- Black (58%)





- Cyan (82%)
- Magenta (58%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8286, 0.2587, 0.3719 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 11.8286, 0.2587, 0.3719 by changing the saturation by 10% instead.


 11.8286, 0.2587,
0.3719


 11.8286, 0.2587,
0.3719


 203.2673, 0.2919,
0.3452


 6.6271, 0.2472,
0.3814


 29.1825, 0.2728,
0.3604

 3.2300, 0.2295,
0.3964

 42.1038, 0.2774,
0.3567

 1.2530, 0.1908,
0.4273

 58.3670, 0.2811,
0.3538

 0.1043, 0.0000,
1.0000

 78.3566, 0.2840,
0.3514

 0.0000, 0.0000,
0.0000

 102.4571, 0.2865,
0.3495

 131.0528, 0.2886,

0.3478

164.5280, 0.2903,
0.3464

■ 11.8286, 0.2587,
0.3719

■ 11.8286, 0.2587,
0.3719

■ 11.5697, 0.2534,
0.3808

■ 12.1518, 0.2655,
0.3633

■ 11.3688, 0.2498,
0.3899

■ 12.5421, 0.2737,
0.3551

■ 11.2210, 0.2480,
0.3990

■ 13.0039, 0.2830,
0.3475

■ 11.1088, 0.2474,
0.4082

■ 13.5407, 0.2932,
0.3403

■ 11.0863, 0.2473,
0.4101

■ 14.1560, 0.3039,
0.3338

■ 14.8528, 0.3150,
0.3278

■ 15.6342, 0.3263,
0.3225

■ 16.5029, 0.3376,
0.3177

■ 17.4617, 0.3488,
0.3134

Harmonies

Analogous

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



11.8286, 0.3075, 0.4148



11.8286, 0.2587, 0.3719



11.8286, 0.2261, 0.3173

Triad

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



11.8286, 0.2587, 0.3719



11.8286, 0.2608, 0.2447



11.8286, 0.4204, 0.3716

Complementary

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



11.8286, 0.2587, 0.3719



5.3388, 0.4307, 0.2931

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.



11.8286, 0.4071, 0.3293



11.8286, 0.2587, 0.3719



11.8286, 0.3106, 0.2597

Square

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



11.8286, 0.2587, 0.3719



11.8286, 0.2275, 0.2483



11.8286, 0.3654, 0.2897



11.8286, 0.4021, 0.4082

Rectangle

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



11.8286, 0.2587, 0.3719



11.8286, 0.2164, 0.2856



11.8286, 0.3654, 0.2897



11.8286, 0.4196, 0.3576

Sweetspot

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



11.8291, 0.2587, 0.3719



24.2944, 0.2937, 0.3400



11.7142, 0.3239, 0.4934



5.8448, 0.2922, 0.3410



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.



11.8291, 0.2587, 0.3719



20.5594, 0.2517, 0.3844



9.3663, 0.2356, 0.2900



3.4792, 0.3028, 0.3344



13.4815, 0.2475, 0.4110



68.5475, 0.2490, 0.4162

Inverse Universe

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



5.3388, 0.4307, 0.2931



7.6684, 0.4786, 0.2887



6.4908, 0.4533, 0.3622



3.1284, 0.3237, 0.3236



3.8977, 0.5809, 0.2974



19.7369, 0.5946, 0.3049

Previews

White Background



This preview shows how the Yxy color 11.8286, 0.2587, 0.3719 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 11.8286, 0.2587, 0.3719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

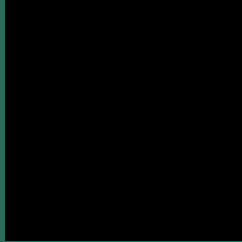
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8286, 0.2587, 0.3719

Background



This preview shows how black text looks on a background with the Yxy color 11.8286, 0.2587, 0.3719.



This preview shows how white text looks on a background with the Yxy color 11.8286, 0.2587, 0.3719.

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

11.8286, 0.2587, 0.3719

Protanopia

11.7309, 0.3348, 0.3546

Deuteranopia

11.7010, 0.3318, 0.3268



Tritanopia

11.8274, 0.2440, 0.3089

Trichromacy



Original Color

11.8286, 0.2587, 0.3719

Protanomaly

11.5079, 0.3012, 0.3616

Deuteranomaly

11.4105, 0.2990, 0.3412

Tritanomaly

11.7807, 0.2494, 0.3314

Monochromacy



Original Color

11.8286, 0.2587, 0.3719

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

10.0877, 0.2883, 0.3448

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8286, 0.2587, 0.3719 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(45, 107, 91)` looks like.

```
.text, #text, p{  
    color:rgb(45, 107, 91)  
}
```

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(45, 107, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 107, 91) }
```

Border

The CSS property to change the border of an element to Yxy 11.8286, 0.2587, 0.3719 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(45, 107, 91) }
```

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

```
.border{ border-color:rgb(45, 107, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 107, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 107, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 107, 91);  
box-shadow:4px 4px 4px 4px rgb(45, 107,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8286, 0.2587, 0.3719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 107, 91) }
```

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

```
.background{ background-color: rgb(45, 107,  
91) }
```

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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