

Converting Colors

$Y_{xy}(18.3162, 0.2811, 0.3535)$

Have a look what the booklet for
Yxy(18.3162, 0.2811, 0.3535)
contains.

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Color

Yxy(18.1858, 0.2805, 0.3522)

Conversions

Conversions Part 1

Format	Color
Hex	577E73
RGB	87, 126, 115
RGB Percent	34%, 49%, 45%
CMY	0.6589, 0.5058, 0.5490
CMYK	0.31, 0.00, 0.09, 0.51
HSL	163°, 18%, 42%
HSV	163°, 31%, 49%
XYZ	14.4836, 18.1858, 18.9655
YIQ	113.0850, -19.7130, -11.6890

Conversions

Conversions Part 2

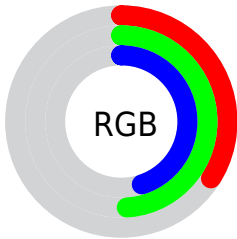
Format	Color
RYB	87, 110, 126
Decimal	5734003
CIELab	49.72, -16.21, 1.62
CIElCh	50, 16.295, 174.304
Yxy	18.1858, 0.2805, 0.3522
Android (android.graphics.Color)	4283924083 (0xFF577E73)
YUV	113.0850, 0.9441, -22.8765
Hunter-Lab	42.6448, -14.0040, 3.4832

Details

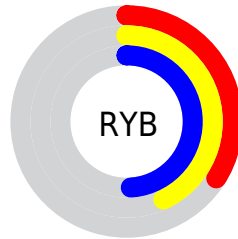
The Yxy color **18.1858, 0.2805, 0.3522** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.1294, 0.3600, 0.3072**, and the grayscale version is **16.5401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4335, 0.2880, 0.3468**, and **6.1443, 0.2664, 0.3634** is the 20% darker color. If you saturate the color by 10%, you get **17.5520, 0.2717, 0.3610**, and if you desaturate by 10%, it is **18.9301, 0.2903, 0.3440**.

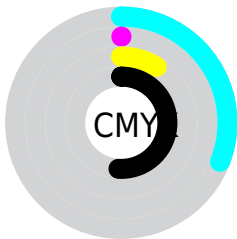
Distribution



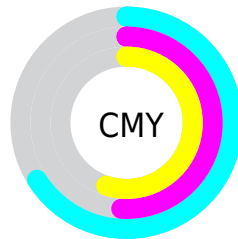
- Red (34%)
- Green (49%)
- Blue (45%)



- Red (34%)
- Yellow (43%)
- Blue (49%)



- Cyan (31%)
- Magenta (0%)
- Yellow (9%)
- Black (51%)





- Cyan (66%)
- Magenta (51%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1858, 0.2805, 0.3522 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 18.1858, 0.2805, 0.3522 by changing the saturation by 10% instead.


 18.1858, 0.2805,
0.3522


 18.1858, 0.2805,
0.3522


241.9162, 0.2991,
0.3387


 11.0835, 0.2747,
0.3565


 40.3537, 0.2880,
0.3467


 6.1230, 0.2664,
0.3626

 56.1880, 0.2906,
0.3448

 2.9200, 0.2534,
0.3723

 75.7018, 0.2927,
0.3433

 1.0901, 0.2256,
0.3923

 99.2794, 0.2944,
0.3421

 0.0000, 0.0000,
0.0000

 127.3053, 0.2959,
0.3410

160.1637, 0.2971,

0.3401

198.2393, 0.2982,
0.3394

■ 18.1858, 0.2805,
0.3522

■ 18.1858, 0.2805,
0.3522

■ 17.5520, 0.2717,
0.3610

■ 18.9301, 0.2903,
0.3440

■ 17.0210, 0.2640,
0.3704

■ 19.7878, 0.3007,
0.3365

■ 16.5874, 0.2579,
0.3801

■ 20.7645, 0.3116,
0.3296

■ 16.2446, 0.2534,
0.3902

■ 21.8647, 0.3228,
0.3235

■ 15.9850, 0.2507,
0.4005

■ 23.0927, 0.3339,
0.3179

■ 15.7999, 0.2498,
0.4107

■ 24.4526, 0.3450,
0.3130

■ 15.6701, 0.2500,
0.4200

■ 25.9482, 0.3558,
0.3087

■ 27.5834, 0.3663,
0.3049

■ 29.3617, 0.3765,
0.3016

Harmonies

Analogous

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



18.1858, 0.3095, 0.3759



18.1858, 0.2805, 0.3522



18.1858, 0.2607, 0.3223

Triad

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



18.1858, 0.2805, 0.3522



18.1858, 0.2836, 0.2782



18.1858, 0.3748, 0.3572

Complementary

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



18.1858, 0.2805, 0.3522



12.1294, 0.3600, 0.3072

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.



18.1858, 0.3675, 0.3317



18.1858, 0.2805, 0.3522



18.1858, 0.3135, 0.2876

Square

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



18.1858, 0.2805, 0.3522



18.1858, 0.2624, 0.2809



18.1858, 0.3446, 0.3068



18.1858, 0.3646, 0.3771

Rectangle

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



18.1858, 0.2805, 0.3522



18.1858, 0.2548, 0.3041



18.1858, 0.3446, 0.3068



18.1858, 0.3744, 0.3490

Sweetspot

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



18.1865, 0.2805, 0.3522



35.1144, 0.3026, 0.3352



18.2100, 0.3217, 0.4119



7.9418, 0.3013, 0.3361



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



18.1865, 0.2805, 0.3522



31.2187, 0.2743, 0.3582



16.3827, 0.2681, 0.3111



4.8669, 0.3027, 0.3352



16.0729, 0.2500, 0.4201



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.1294, 0.3600, 0.3072



18.8240, 0.3749, 0.3021



13.3858, 0.3738, 0.3461



4.3627, 0.3238, 0.3229



4.6777, 0.5748, 0.2940



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.1858, 0.2805, 0.3522 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 18.1858, 0.2805, 0.3522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

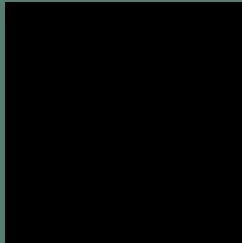
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.1858, 0.2805, 0.3522

Background



This preview shows how black text looks on a background with the Yxy color 18.1858, 0.2805, 0.3522.



This preview shows how white text looks on a background with the Yxy color 18.1858, 0.2805, 0.3522.

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

18.1858, 0.2805, 0.3522

Protanopia

17.9859, 0.3276, 0.3426

Deuteranopia

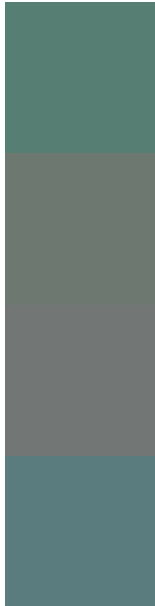
17.9861, 0.3288, 0.3235



Tritanopia

18.0835, 0.2669, 0.3087

Trichromacy



Original Color

18.1858, 0.2805, 0.3522

Protanomaly

17.8540, 0.3082, 0.3451

Deuteranomaly

17.7952, 0.3100, 0.3329

Tritanomaly

18.0953, 0.2726, 0.3248

Monochromacy



Original Color

18.1858, 0.2805, 0.3522

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.1148, 0.2999, 0.3372

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1858, 0.2805, 0.3522 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(87, 126, 115)` looks like.

```
.text, #text, p{  
  color:rgb(87, 126, 115)  
}
```

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(87, 126, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 126, 115) }
```

Border

The CSS property to change the border of an element to Yxy 18.1858, 0.2805, 0.3522 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(87, 126, 115) }
```

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

```
.border{ border-color:rgb(87, 126, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 126, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 126, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 126, 115);  
box-shadow:4px 4px 4px 4px rgb(87, 126,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1858, 0.2805, 0.3522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 126, 115) }
```

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

```
.background{ background-color: rgb(87, 126,  
115) }
```

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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