

Converting Colors

$Y_{xy}(18.1402, 0.2825, 0.3565)$

Have a look what the booklet for
Yxy(18.1402, 0.2825, 0.3565)
contains.

Yxy(18.1402, 0.2825, 0.3565)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(18.1402, 0.2825, 0.3565)$

Conversions

Conversions Part 1

Format	Color
Hex	577E71
RGB	87, 126, 113
RGB Percent	34%, 49%, 44%
CMY	0.6587, 0.5059, 0.5568
CMYK	0.31, 0.00, 0.10, 0.51
HSL	160°, 18%, 42%
HSV	160°, 31%, 49%
XYZ	14.3748, 18.1402, 18.3692
YIQ	112.8570, -19.0710, -12.3110

Conversions

Conversions Part 2

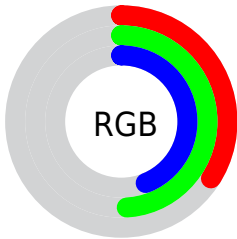
Format	Color
RYB	87, 110, 126
Decimal	5734001
CIELab	49.67, -16.65, 2.71
CIElCh	50, 16.866, 170.770
Yxy	18.1402, 0.2825, 0.3565
Android (android.graphics.Color)	4283924081 (0xFF577E71)
YUV	112.8570, 0.0705, -22.6766
Hunter-Lab	42.5913, -14.2902, 4.2428

Details

The Yxy color **18.1402, 0.2825, 0.3565** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.1780, 0.3565, 0.3033**, and the grayscale version is **16.4755, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.3601, 0.2894, 0.3498**, and **6.1207, 0.2692, 0.3706** is the 20% darker color. If you saturate the color by 10%, you get **17.4938, 0.2742, 0.3670**, and if you desaturate by 10%, it is **18.8984, 0.2917, 0.3468**.

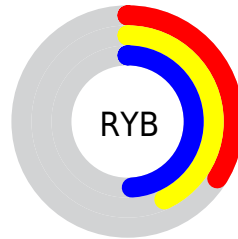
Distribution



Red (34%)

Green (49%)

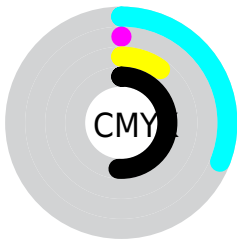
Blue (44%)



Red (34%)

Yellow (43%)

Blue (49%)

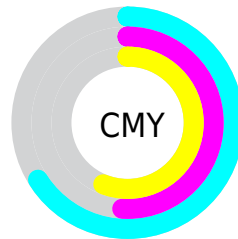


Cyan (31%)

Magenta (0%)

Yellow (10%)

Black (51%)



Cyan (66%)


Magenta (51%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.1402, 0.2825, 0.3565 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 18.1402, 0.2825, 0.3565 by changing the saturation by 10% instead.


 18.1402, 0.2825,
0.3565


 18.1402, 0.2825,
0.3565


241.6601, 0.3001,
0.3404


 11.0507, 0.2770,
0.3616


 40.2761, 0.2896,
0.3499


 6.1009, 0.2691,
0.3691

 56.0912, 0.2920,
0.3477


 2.9066, 0.2567,
0.3809

 75.5837, 0.2940,
0.3459

 1.0831, 0.2287,
0.4057

 99.1380, 0.2956,
0.3444

 0.0000, 0.0000,
0.0000

 127.1383, 0.2970,
0.3432

159.9692, 0.2982,

0.3421

198.0150, 0.2992,
0.3412

■ 18.1402, 0.2825,
0.3565

■ 18.1402, 0.2825,
0.3565

■ 17.4938, 0.2742,
0.3670

■ 18.8984, 0.2917,
0.3468

■ 16.9513, 0.2670,
0.3782

■ 19.7712, 0.3015,
0.3378

■ 16.5075, 0.2612,
0.3900

■ 20.7643, 0.3118,
0.3297

■ 16.1556, 0.2571,
0.4021

■ 21.8822, 0.3222,
0.3224

■ 15.8881, 0.2548,
0.4144


■ 23.1292, 0.3326,
0.3159

 15.6962, 0.2544,
0.4267

 24.5093, 0.3428,
0.3101

 15.5606, 0.2550,
0.4379

 26.0266, 0.3528,
0.3050

 27.6848, 0.3626,
0.3006

 29.4874, 0.3719,
0.2967

Harmonies

Analogous

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



18.1402, 0.3132, 0.3797



18.1402, 0.2825, 0.3565



18.1402, 0.2606, 0.3256

Triad

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



18.1402, 0.2825, 0.3565



18.1402, 0.2794, 0.2761



18.1402, 0.3772, 0.3551

Complementary

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



18.1402, 0.2825, 0.3565



12.1780, 0.3565, 0.3033

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.



18.1402, 0.3674, 0.3286



18.1402, 0.2825, 0.3565



18.1402, 0.3096, 0.2845

Square

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



18.1402, 0.2825, 0.3565



18.1402, 0.2589, 0.2804



18.1402, 0.3422, 0.3033



18.1402, 0.3685, 0.3768

Rectangle

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



18.1402, 0.2825, 0.3565



18.1402, 0.2534, 0.3062



18.1402, 0.3422, 0.3033



18.1402, 0.3760, 0.3465

Sweetspot

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



18.1409, 0.2825, 0.3565



35.0883, 0.3033, 0.3364



18.3198, 0.3241, 0.4111



7.9351, 0.3020, 0.3374



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.



18.1409, 0.2825, 0.3565



31.1236, 0.2766, 0.3637



16.8477, 0.2687, 0.3153



4.8633, 0.3034, 0.3363



15.9642, 0.2550, 0.4380



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.1780, 0.3565, 0.3033



18.9002, 0.3704, 0.2973



13.0459, 0.3748, 0.3422



4.3661, 0.3230, 0.3218



4.7213, 0.5563, 0.2838



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.1402, 0.2825, 0.3565 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 18.1402, 0.2825, 0.3565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

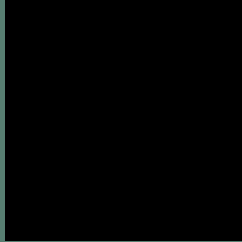
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.1402, 0.2825, 0.3565

Background



This preview shows how black text looks on a background with the Yxy color 18.1402, 0.2825, 0.3565.

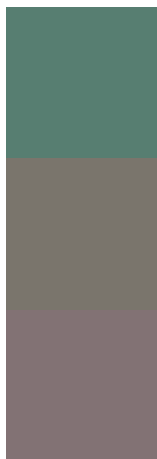


This preview shows how white text looks on a background with the Yxy color 18.1402, 0.2825, 0.3565.

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

18.1402, 0.2825, 0.3565

Protanopia

17.9429, 0.3301, 0.3465

Deuteranopia

18.0414, 0.3314, 0.3253



Tritanopia

18.0835, 0.2669, 0.3087

Trichromacy



Original Color

18.1402, 0.2825, 0.3565

Protanomaly

17.8099, 0.3105, 0.3492

Deuteranomaly

17.7721, 0.3112, 0.3349

Tritanomaly

18.0953, 0.2726, 0.3248

Monochromacy



Original Color

18.1402, 0.2825, 0.3565

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.0922, 0.3011, 0.3392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1402, 0.2825, 0.3565 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, 113)` looks like.

```
.text, #text, p{  
  color:rgb(87, 126, 113)  
}
```

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, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 126, 113) }
```

Border

The CSS property to change the border of an element to Yxy 18.1402, 0.2825, 0.3565 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, 113) }
```

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

```
.border{ border-color:rgb(87, 126, 113) }
```

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, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 126, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 126, 113);  
box-shadow:4px 4px 4px 4px rgb(87, 126,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1402, 0.2825, 0.3565 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, 113) }
```

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

```
.background{ background-color: rgb(87, 126,  
113) }
```

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