

Converting Colors

$Y_{xy}(18.1198, 0.2979, 0.3107)$

Have a look what the booklet for
Yxy(18.1198, 0.2979, 0.3107)
contains.

Yxy(18.1340, 0.2987, 0.3117)	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(18.1340, 0.2987, 0.3117)

Conversions

Conversions Part 1

Format	Color
Hex	73767F
RGB	115, 118, 127
RGB Percent	45%, 46%, 50%
CMY	0.5491, 0.5372, 0.5019
CMYK	0.09, 0.07, 0.00, 0.50
HSL	225°, 5%, 47%
HSV	225°, 9%, 50%
XYZ	17.3777, 18.1340, 22.6660
YIQ	118.1290, -4.6770, 2.1630

Conversions

Conversions Part 2

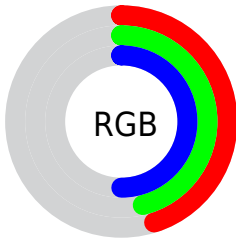
Format	Color
R_{YB}	115, 117, 127
Decimal	7566975
CIE _{Lab}	49.66, 0.77, -5.33
CIE _{LCh}	50, 5.384, 278.269
Yxy	18.1340, 0.2987, 0.3117
Android (android.graphics.Color)	4285757055 (0xFF73767F)
YUV	118.1290, 4.3734, -2.7441
Hunter-Lab	42.5840, -1.6798, -1.7492

Details

The Yxy color $18.1340, 0.2987, 0.3117$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $20.1604, 0.3267, 0.3457$, and the grayscale version is $18.1459, 0.3127, 0.3290$.

A 20% lighter version of the original color is $40.2602, 0.3018, 0.3152$, and $6.1237, 0.2928, 0.3049$ is the 20% darker color. If you saturate the color by 10%, you get $15.2057, 0.2827, 0.2913$, and if you desaturate by 10%, it is $21.4080, 0.3135, 0.3299$.

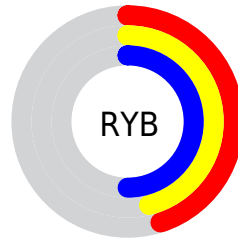
Distribution



Red (45%)

Green (46%)

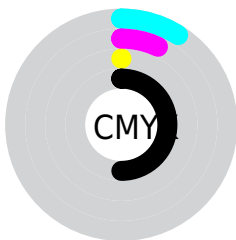
Blue (50%)



Red (45%)

Yellow (46%)

Blue (50%)

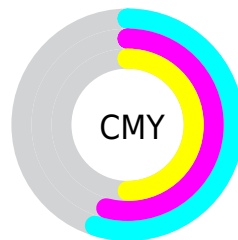


Cyan (9%)

Magenta (7%)

Yellow (0%)

Black (50%)



Cyan (55%)

Magenta (54%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.1340, 0.2987, 0.3117 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 18.1340, 0.2987, 0.3117 by changing the saturation by 10% instead.

■ 18.1340, 0.2987,
0.3117

■ 18.1340, 0.2987,
0.3117

■ 241.6253, 0.3068,
0.3217

■ 11.0462, 0.2962,
0.3086

■ 40.2655, 0.3020,
0.3157

■ 6.0979, 0.2926,
0.3042

■ 56.0781, 0.3031,
0.3171

■ 2.9047, 0.2870,
0.2974

■ 75.5677, 0.3040,
0.3182

■ 1.0822, 0.2771,
0.2855

■ 99.1187, 0.3048,
0.3191

■ 0.0000, 0.0000,
0.0000

■ 127.1156, 0.3054,
0.3199

■ 159.9427, 0.3059,

0.3206

197.9845, 0.3064,
0.3212

■ 18.1340, 0.2987,
0.3117

■ 18.1340, 0.2987,
0.3117

■ 15.2057, 0.2827,
0.2913

■ 21.4080, 0.3135,
0.3299

■ 12.6093, 0.2657,
0.2686

■ 25.0363, 0.3269,
0.3460

■ 10.3335, 0.2478,
0.2440

■ 29.0300, 0.3392,
0.3601

■ 8.3654, 0.2297,
0.2177

■ 33.3992, 0.3502,
0.3724

■ 6.6913, 0.2119,
0.1906

■ 38.1535, 0.3601,
0.3832

■ 5.2962, 0.1953,
0.1635

■ 43.3020, 0.3690,
0.3926

■ 4.1638, 0.1808,
0.1378

■ 48.8538, 0.3770,
0.4008

■ 3.2760, 0.1691,
0.1147

■ 54.8174, 0.3841,
0.4079

■ 2.5962, 0.1599,
0.0950

■ 61.2012, 0.3906,
0.4142

Harmonies

Analogous

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



18.1340, 0.2935, 0.3154



18.1340, 0.2987, 0.3117



18.1340, 0.3077, 0.3125

Triad

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



18.1340, 0.2987, 0.3117



18.1340, 0.3324, 0.3345



18.1340, 0.3072, 0.3409

Complementary

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



18.1340, 0.2987, 0.3117



20.1604, 0.3267, 0.3457

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.



18.1340, 0.3175, 0.3462



18.1340, 0.2987, 0.3117



18.1340, 0.3323, 0.3423

Square

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



18.1340, 0.2987, 0.3117



18.1340, 0.3272, 0.3255



18.1340, 0.3268, 0.3466



18.1340, 0.2984, 0.3323

Rectangle

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



18.1340, 0.2987, 0.3117



18.1340, 0.3146, 0.3155



18.1340, 0.3268, 0.3466



18.1340, 0.3106, 0.3431

Sweetspot

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



18.1348, 0.2987, 0.3117



36.1491, 0.3083, 0.3236



20.2749, 0.3022, 0.3351



8.3614, 0.3072, 0.3223



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



18.1348, 0.2987, 0.3117



31.4868, 0.2959, 0.3082



17.6257, 0.3021, 0.3060



4.3742, 0.2993, 0.3124



2.5842, 0.1595, 0.0940



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.0776, 0.3247, 0.3234



31.3793, 0.3272, 0.3223



20.7188, 0.3227, 0.3514



4.3607, 0.3242, 0.3236



4.6554, 0.5850, 0.2996



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.1340, 0.2987, 0.3117 looks on a white background.

Color Contrast Check

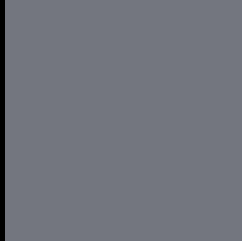
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.1340, 0.2987, 0.3117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

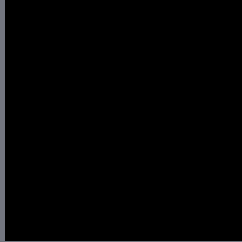
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

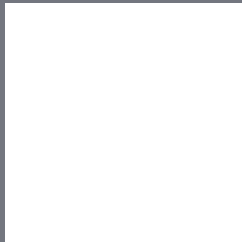
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.1340, 0.2987, 0.3117

Background



This preview shows how black text looks on a background with the Yxy color 18.1340, 0.2987, 0.3117.



This preview shows how white text looks on a background with the Yxy color 18.1340, 0.2987, 0.3117.

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

18.1340, 0.2987, 0.3117

Protanopia

18.1064, 0.3024, 0.3100

Deuteranopia

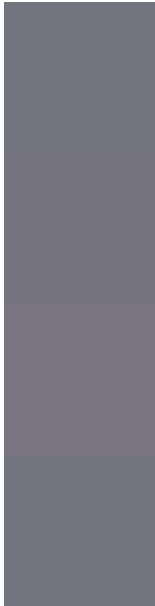
18.1800, 0.3100, 0.3049



Tritanopia

18.1340, 0.2987, 0.3117

Trichromacy



Original Color

18.1340, 0.2987, 0.3117

Protanomaly

18.0368, 0.3012, 0.3099

Deuteranomaly

18.1142, 0.3050, 0.3065

Tritanomaly

18.1340, 0.2987, 0.3117

Monochromacy



Original Color

18.1340, 0.2987, 0.3117

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.1193, 0.3080, 0.3232

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1340, 0.2987, 0.3117 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(115, 118, 127)` looks like.

```
.text, #text, p{  
    color:rgb(115, 118, 127)  
}
```

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(115, 118, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 118, 127) }
```

Border

The CSS property to change the border of an element to Yxy 18.1340, 0.2987, 0.3117 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(115, 118, 127) }
```

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

```
.border{ border-color:rgb(115, 118, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 118, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 118, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 118, 127);  
box-shadow:4px 4px 4px 4px rgb(115, 118,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1340, 0.2987, 0.3117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 118, 127) }
```

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

```
.background{ background-color: rgb(115,  
118, 127) }
```

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