

Converting Colors

$Y_{xy}(17.7312, 0.2973, 0.3889)$

Have a look what the booklet for
Yxy(17.7312, 0.2973, 0.3889)
contains.

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Color

Yxy(17.8298, 0.2975, 0.3901)

Conversions

Conversions Part 1

Format	Color
Hex	577E62
RGB	87, 126, 98
RGB Percent	34%, 49%, 38%
CMY	0.6587, 0.5059, 0.6157
CMYK	0.31, 0.00, 0.22, 0.51
HSL	137°, 18%, 42%
HSV	137°, 31%, 49%
XYZ	13.5975, 17.8298, 14.2785
YIQ	111.1470, -14.2560, -16.9760

Conversions

Conversions Part 2

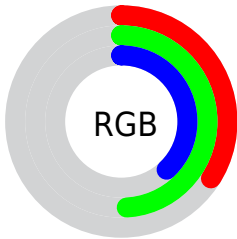
Format	Color
RYB	87, 117, 126
Decimal	5733986
CIELab	49.29, -19.92, 10.96
CIElCh	49, 22.731, 151.181
Yxy	17.8298, 0.2975, 0.3901
Android (android.graphics.Color)	4283924066 (0xFF577E62)
YUV	111.1470, -6.4815, -21.1769
Hunter-Lab	42.2253, -16.4136, 9.5089

Details

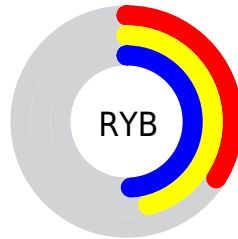
The Yxy color **17.8298, 0.2975, 0.3901** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.4946, 0.3325, 0.2749**, and the grayscale version is **15.9652, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.8134, 0.3014, 0.3746**, and **5.9781, 0.2892, 0.4229** is the 20% darker color. If you saturate the color by 10%, you get **17.1144, 0.2932, 0.4140**, and if you desaturate by 10%, it is **18.6719, 0.3023, 0.3681**.

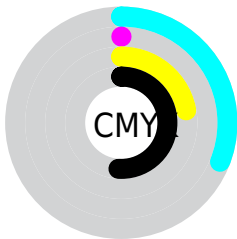
Distribution



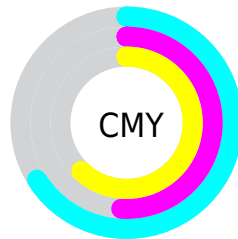
- Red (34%)
- Green (49%)
- Blue (38%)



- Red (34%)
- Yellow (46%)
- Blue (49%)



- Cyan (31%)
- Magenta (0%)
- Yellow (22%)
- Black (51%)





- Cyan (66%)
- Magenta (51%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8298, 0.2975, 0.3901 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 17.8298, 0.2975, 0.3901 by changing the saturation by 10% instead.


 17.8298, 0.2975,
0.3901

 17.8298, 0.2975,
0.3901


239.9100, 0.3069,
0.3535


 10.8279, 0.2942,
0.4022


 39.7471, 0.3015,
0.3749


 5.9512, 0.2892,
0.4202

 55.4312, 0.3028,
0.3698


 2.8154, 0.2805,
0.4496

 74.7782, 0.3039,
0.3658

 1.0361, 0.2612,
0.5508

 98.1725, 0.3047,
0.3624

 0.0000, 0.0000,
0.0000

 125.9984, 0.3054,
0.3596

158.6404, 0.3060,

0.3573

196.4827, 0.3065,
0.3553

■ 17.8298, 0.2975,
0.3901

■ 17.8298, 0.2975,
0.3901

■ 17.1144, 0.2932,
0.4140

■ 18.6719, 0.3023,
0.3681

■ 16.5174, 0.2895,
0.4395

■ 19.6442, 0.3072,
0.3483

■ 16.0327, 0.2868,
0.4659

■ 20.7528, 0.3123,
0.3305

■ 15.6531, 0.2854,
0.4923

■ 22.0028, 0.3172,
0.3149

■ 15.3704, 0.2853,
0.5175

■ 23.3989, 0.3220,
0.3011

■ 15.1748, 0.2868,
0.5404

■ 24.9457, 0.3266,
0.2891

■ 15.0454, 0.2885,
0.5585

■ 26.6477, 0.3309,
0.2785

■ 28.5088, 0.3350,
0.2694

■ 30.5333, 0.3388,
0.2614

Harmonies

Analogous

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



17.8298, 0.3409, 0.4077



17.8298, 0.2975, 0.3901



17.8298, 0.2599, 0.3520

Triad

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



17.8298, 0.2975, 0.3901



17.8298, 0.2484, 0.2600



17.8298, 0.3946, 0.3398

Complementary

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



17.8298, 0.2975, 0.3901



12.4946, 0.3325, 0.2749

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.



17.8298, 0.3663, 0.3053



17.8298, 0.2975, 0.3901



17.8298, 0.2805, 0.2610

Square

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



17.8298, 0.2975, 0.3901



17.8298, 0.2332, 0.2763



17.8298, 0.3236, 0.2773



17.8298, 0.3988, 0.3741

Rectangle

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



17.8298, 0.2975, 0.3901



17.8298, 0.2427, 0.3230



17.8298, 0.3236, 0.2773



17.8298, 0.3876, 0.3279

Sweetspot

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



17.8305, 0.2975, 0.3901



34.8974, 0.3081, 0.3451



19.2959, 0.3437, 0.4061



7.8863, 0.3075, 0.3473



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.



17.8305, 0.2975, 0.3901



30.4896, 0.2944, 0.4065



18.2309, 0.2787, 0.3481



4.8371, 0.3081, 0.3449



15.4349, 0.2885, 0.5587



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.4946, 0.3325, 0.2749



19.5533, 0.3382, 0.2626



12.1029, 0.3631, 0.3110



4.3924, 0.3176, 0.3136



5.3165, 0.4045, 0.2002



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.8298, 0.2975, 0.3901 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 17.8298, 0.2975, 0.3901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

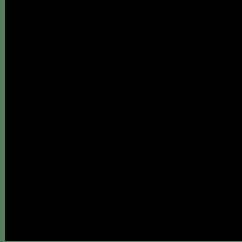
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.8298, 0.2975, 0.3901

Background



This preview shows how black text looks on a background with the Yxy color 17.8298, 0.2975, 0.3901.



This preview shows how white text looks on a background with the Yxy color 17.8298, 0.2975, 0.3901.

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

17.8298, 0.2975, 0.3901

Protanopia

17.7980, 0.3515, 0.3758

Deuteranopia

17.5963, 0.3571, 0.3496



Tritanopia

17.9374, 0.2715, 0.3108

Trichromacy



Original Color

17.8298, 0.2975, 0.3901

Protanomaly

17.6387, 0.3306, 0.3802

Deuteranomaly

17.4246, 0.3333, 0.3630

Tritanomaly

17.7220, 0.2803, 0.3373

Monochromacy



Original Color

17.8298, 0.2975, 0.3901

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.3562, 0.3066, 0.3501

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8298, 0.2975, 0.3901 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, 98)` looks like.

```
.text, #text, p{  
    color:rgb(87, 126, 98)  
}
```

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, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 126, 98) }
```

Border

The CSS property to change the border of an element to Yxy 17.8298, 0.2975, 0.3901 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, 98) }
```

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

```
.border{ border-color:rgb(87, 126, 98) }
```

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, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 126, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 126, 98);  
box-shadow:4px 4px 4px 4px rgb(87, 126,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8298, 0.2975, 0.3901 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, 98) }
```

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

```
.background{ background-color: rgb(87, 126,  
98) }
```

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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