

Converting Colors

$Y_{xy}(17.8041, 0.2843, 0.3506)$

Have a look what the booklet for
Yxy(17.8041, 0.2843, 0.3506)
contains.

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Color

Yxy(17.8039, 0.2843, 0.3501)

Conversions

Conversions Part 1

Format	Color
Hex	5A7C72
RGB	90, 124, 114
RGB Percent	35%, 49%, 45%
CMY	0.6472, 0.5137, 0.5530
CMYK	0.27, 0.00, 0.08, 0.51
HSL	162°, 16%, 42%
HSV	162°, 27%, 49%
XYZ	14.4577, 17.8039, 18.5921
YIQ	112.6940, -17.0540, -10.3180

Conversions

Conversions Part 2

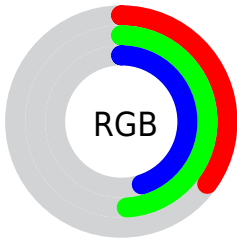
Format	Color
R_{YB}	90, 110, 124
Decimal	5930098
CIE _{Lab}	49.26, -14.38, 1.56
CIE _{LCh}	49, 14.461, 173.822
Yxy	17.8039, 0.2843, 0.3501
Android (android.graphics.Color)	4284120178 (0xFF5A7C72)
YUV	112.6940, 0.6439, -19.9026
Hunter-Lab	42.1947, -12.6788, 3.4115

Details

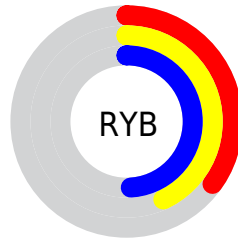
The Yxy color **17.8039, 0.2843, 0.3501** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.5103, 0.3523, 0.3090**, and the grayscale version is **16.4177, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.8602, 0.2909, 0.3453**, and **5.9391, 0.2725, 0.3600** is the 20% darker color. If you saturate the color by 10%, you get **17.1527, 0.2752, 0.3591**, and if you desaturate by 10%, it is **18.5636, 0.2942, 0.3418**.

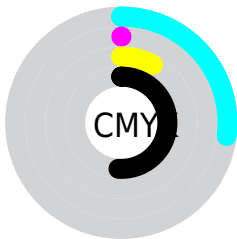
Distribution



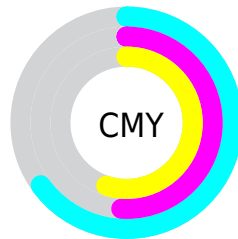
- Red (35%)
- Green (49%)
- Blue (45%)



- Red (35%)
- Yellow (43%)
- Blue (49%)



- Cyan (27%)
- Magenta (0%)
- Yellow (8%)
- Black (51%)



- Cyan (65%)
- Magenta (51%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.8039, 0.2843, 0.3501 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 17.8039, 0.2843, 0.3501 by changing the saturation by 10% instead.

■ 17.8039, 0.2843,
0.3501

■ 17.8039, 0.2843,
0.3501

■ 239.7634, 0.3008,
0.3378

■ 10.8093, 0.2791,
0.3540

■ 39.7029, 0.2910,
0.3451

■ 5.9387, 0.2717,
0.3597

■ 55.3761, 0.2933,
0.3434

■ 2.8079, 0.2600,
0.3686

■ 74.7109, 0.2951,
0.3420

■ 1.0323, 0.2340,
0.3876

■ 98.0917, 0.2967,
0.3409

■ 0.0000, 0.0000,
0.0000

■ 125.9030, 0.2979,
0.3399

158.5291, 0.2990,

0.3391

196.3544, 0.3000,
0.3384

■ 17.8039, 0.2843,
0.3501

■ 17.8039, 0.2843,
0.3501

■ 17.1527, 0.2752,
0.3591

■ 18.5636, 0.2942,
0.3418

■ 16.6027, 0.2673,
0.3686

■ 19.4345, 0.3047,
0.3342

■ 16.1489, 0.2607,
0.3787

■ 20.4218, 0.3155,
0.3273

■ 15.7852, 0.2557,
0.3892

■ 21.5297, 0.3264,
0.3211

■ 15.5046, 0.2524,
0.3999

■ 22.7625, 0.3374,
0.3156

■ 15.2993, 0.2510,
0.4106

■ 24.1238, 0.3482,
0.3107

■ 15.1510, 0.2511,
0.4213

■ 25.6174, 0.3587,
0.3064

■ 15.1153, 0.2511,
0.4241

■ 27.2469, 0.3689,
0.3027

■ 29.0157, 0.3787,
0.2994

Harmonies

Analogous

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



17.8039, 0.3104, 0.3709



17.8039, 0.2843, 0.3501



17.8039, 0.2662, 0.3236

Triad

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



17.8039, 0.2843, 0.3501



17.8039, 0.2863, 0.2832



17.8039, 0.3682, 0.3542

Complementary

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



17.8039, 0.2843, 0.3501



12.5103, 0.3523, 0.3090

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.



17.8039, 0.3614, 0.3312



17.8039, 0.2843, 0.3501



17.8039, 0.3131, 0.2916

Square

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



17.8039, 0.2843, 0.3501



17.8039, 0.2673, 0.2860



17.8039, 0.3408, 0.3088



17.8039, 0.3594, 0.3719

Rectangle

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



17.8039, 0.2843, 0.3501



17.8039, 0.2607, 0.3072



17.8039, 0.3408, 0.3088



17.8039, 0.3677, 0.3468

Sweetspot

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



17.8046, 0.2843, 0.3501



34.0745, 0.3039, 0.3347



17.8750, 0.3215, 0.4011



7.9756, 0.3025, 0.3357



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.



17.8046, 0.2843, 0.3501



30.5790, 0.2785, 0.3557



16.3964, 0.2731, 0.3146



4.4933, 0.3030, 0.3354



15.3624, 0.2512, 0.4241



73.1258, 0.2527, 0.4296

Inverse Universe

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



12.5103, 0.3523, 0.3090



19.6250, 0.3648, 0.3041



13.5297, 0.3652, 0.3429



4.0327, 0.3235, 0.3227



4.4882, 0.5701, 0.2914



21.2775, 0.5830, 0.2985

Previews

White Background



This preview shows how the Yxy color 17.8039, 0.2843, 0.3501 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 17.8039, 0.2843, 0.3501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

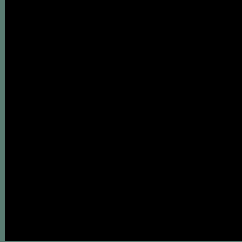
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.8039, 0.2843, 0.3501

Background



This preview shows how black text looks on a background with the Yxy color 17.8039, 0.2843, 0.3501.



This preview shows how white text looks on a background with the Yxy color 17.8039, 0.2843, 0.3501.

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

17.8039, 0.2843, 0.3501

Protanopia

17.6096, 0.3252, 0.3407

Deuteranopia

17.6604, 0.3289, 0.3234



Tritanopia

17.6931, 0.2713, 0.3087

Trichromacy



Original Color

17.8039, 0.2843, 0.3501

Protanomaly

17.5926, 0.3095, 0.3452

Deuteranomaly

17.5378, 0.3113, 0.3330

Tritanomaly

17.7269, 0.2763, 0.3227

Monochromacy



Original Color

17.8039, 0.2843, 0.3501

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.9181, 0.3023, 0.3372

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8039, 0.2843, 0.3501 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(90, 124, 114)` looks like.

```
.text, #text, p{  
    color:rgb(90, 124, 114)  
}
```

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(90, 124, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 124, 114) }
```

Border

The CSS property to change the border of an element to Yxy 17.8039, 0.2843, 0.3501 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(90, 124, 114) }
```

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

```
.border{ border-color:rgb(90, 124, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 124, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 124, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 124, 114);  
box-shadow:4px 4px 4px 4px rgb(90, 124,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8039, 0.2843, 0.3501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 124, 114) }
```

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

```
.background{ background-color: rgb(90, 124,  
114) }
```

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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