

Converting Colors

$Y_{xy}(17.5981, 0.2918, 0.3478)$

Have a look what the booklet for
Yxy(17.5981, 0.2918, 0.3478)
contains.

Yxy(17.5981, 0.2918, 0.3478)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.5981, 0.2918, 0.3478)

Conversions

Conversions Part 1

Format	Color
Hex	607A71
RGB	96, 122, 113
RGB Percent	38%, 48%, 44%
CMY	0.6235, 0.5216, 0.5569
CMYK	0.21, 0.00, 0.07, 0.52
HSL	159°, 12%, 43%
HSV	159°, 21%, 48%
XYZ	14.7646, 17.5981, 18.2356
YIQ	113.2000, -12.6070, -8.3110

Conversions

Conversions Part 2

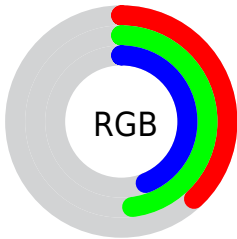
Format	Color
R_{YB}	96, 112, 122
Decimal	6322801
CIE _{Lab}	49.00, -11.41, 1.83
CIE _{LCh}	49, 11.560, 170.868
Yxy	17.5981, 0.2918, 0.3478
Android (android.graphics.Color)	4284512881 (0xFF607A71)
YUV	113.2000, -0.0986, -15.0844
Hunter-Lab	41.9501, -10.5885, 3.5918

Details

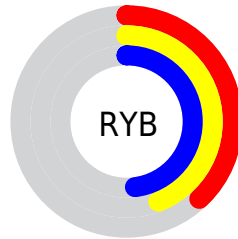
The Yxy color **17.5981, 0.2918, 0.3478** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.5276, 0.3394, 0.3110**, and the grayscale version is **16.5801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.1918, 0.2965, 0.3422**, and **5.7997, 0.2827, 0.3562** is the 20% darker color. If you saturate the color by 10%, you get **16.8943, 0.2828, 0.3580**, and if you desaturate by 10%, it is **18.4105, 0.3014, 0.3385**.

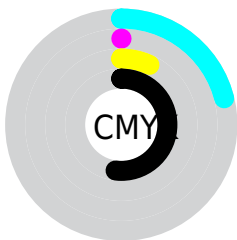
Distribution



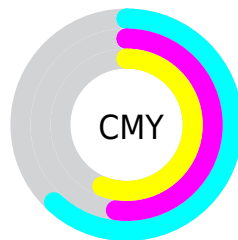
- Red (38%)
- Green (48%)
- Blue (44%)



- Red (38%)
- Yellow (44%)
- Blue (48%)



- Cyan (21%)
- Magenta (0%)
- Yellow (7%)
- Black (52%)



- Cyan (62%)
- Magenta (52%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.5981, 0.2918, 0.3478 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 17.5981, 0.2918, 0.3478 by changing the saturation by 10% instead.

■ 17.5981, 0.2918,
0.3478

■ 17.5981, 0.2918,
0.3478

■ 238.5959, 0.3040,
0.3368

■ 10.6618, 0.2880,
0.3513

■ 39.3513, 0.2968,
0.3433

■ 5.8399, 0.2824,
0.3564

■ 54.9370, 0.2984,
0.3418

■ 2.7480, 0.2737,
0.3645

■ 74.1747, 0.2998,
0.3406

■ 1.0016, 0.2546,
0.3812

■ 97.4487, 0.3009,
0.3395

■ 0.0000, 0.0000,
0.0000

■ 125.1434, 0.3019,
0.3387

■ 157.6432, 0.3027,

0.3380

195.3326, 0.3034,
0.3373

■ 17.5981, 0.2918,
0.3478

■ 17.5981, 0.2918,
0.3478

■ 16.8943, 0.2828,
0.3580

■ 18.4105, 0.3014,
0.3385

■ 16.2922, 0.2747,
0.3689

■ 19.3339, 0.3114,
0.3300

■ 15.7873, 0.2677,
0.3806

■ 20.3731, 0.3216,
0.3224

■ 15.3740, 0.2621,
0.3929

■ 21.5321, 0.3317,
0.3156

■ 15.0461, 0.2581,
0.4055

■ 22.8148, 0.3418,
0.3096

■ 14.7967, 0.2560,
0.4184

■ 24.2248, 0.3515,
0.3043

■ 14.6175, 0.2557,
0.4312

■ 25.7656, 0.3610,
0.2997

■ 14.4932, 0.2562,
0.4423

■ 27.4405, 0.3702,
0.2956

■ 29.2527, 0.3789,
0.2920

Harmonies

Analogous

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



17.5981, 0.3133, 0.3634



17.5981, 0.2918, 0.3478



17.5981, 0.2762, 0.3270

Triad

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



17.5981, 0.2918, 0.3478



17.5981, 0.2897, 0.2917



17.5981, 0.3572, 0.3479

Complementary

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



17.5981, 0.2918, 0.3478



13.5276, 0.3394, 0.3110

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.



17.5981, 0.3505, 0.3292



17.5981, 0.2918, 0.3478



17.5981, 0.3109, 0.2976

Square

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



17.5981, 0.2918, 0.3478



17.5981, 0.2750, 0.2951



17.5981, 0.3333, 0.3111



17.5981, 0.3514, 0.3626

Rectangle

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



17.5981, 0.2918, 0.3478



17.5981, 0.2710, 0.3136



17.5981, 0.3333, 0.3111



17.5981, 0.3563, 0.3419

Sweetspot

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



17.5988, 0.2918, 0.3478



33.2012, 0.3065, 0.3340



17.7741, 0.3213, 0.3831



7.5736, 0.3060, 0.3344



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



17.5988, 0.2918, 0.3478



30.2778, 0.2869, 0.3531



16.8742, 0.2820, 0.3209



4.4899, 0.3036, 0.3365



15.2573, 0.2563, 0.4426



72.6137, 0.2581, 0.4492

Inverse Universe

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



13.5276, 0.3394, 0.3110



21.6463, 0.3479, 0.3062



14.0808, 0.3515, 0.3370



4.0359, 0.3228, 0.3216



4.5334, 0.5505, 0.2806



21.4781, 0.5636, 0.2879

Previews

White Background



This preview shows how the Yxy color 17.5981, 0.2918, 0.3478 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 17.5981, 0.2918, 0.3478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

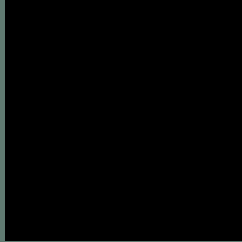
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.5981, 0.2918, 0.3478

Background



This preview shows how black text looks on a background with the Yxy color 17.5981, 0.2918, 0.3478.



This preview shows how white text looks on a background with the Yxy color 17.5981, 0.2918, 0.3478.

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

17.5981, 0.2918, 0.3478

Protanopia

17.5880, 0.3264, 0.3427

Deuteranopia

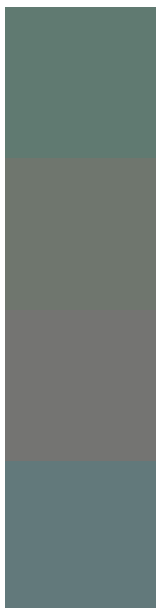
17.4153, 0.3304, 0.3234



Tritanopia

17.6706, 0.2784, 0.3109

Trichromacy



Original Color

17.5981, 0.2918, 0.3478

Protanomaly

17.4622, 0.3132, 0.3451

Deuteranomaly

17.4187, 0.3151, 0.3329

Tritanomaly

17.7015, 0.2835, 0.3248

Monochromacy



Original Color

17.5981, 0.2918, 0.3478

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.8088, 0.3048, 0.3351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5981, 0.2918, 0.3478 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(96, 122, 113) looks like.

```
.text, #text, p{  
  color:rgb(96, 122, 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(96, 122, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 122, 113) }
```

Border

The CSS property to change the border of an element to Yxy 17.5981, 0.2918, 0.3478 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(96, 122, 113) }
```

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

```
.border{ border-color:rgb(96, 122, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 122, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 122, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 122, 113);  
box-shadow:4px 4px 4px 4px rgb(96, 122,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5981, 0.2918, 0.3478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 122, 113) }
```

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

```
.background{ background-color: rgb(96, 122,  
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