

Converting Colors

$Y_{xy}(17.6820, 0.2929, 0.3768)$

Have a look what the booklet for
Yxy(17.6820, 0.2929, 0.3768)
contains.

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Color

Yxy(17.6727, 0.2923, 0.3768)

Conversions

Conversions Part 1

Format	Color
Hex	577D67
RGB	87, 125, 103
RGB Percent	34%, 49%, 40%
CMY	0.6590, 0.5098, 0.5961
CMYK	0.30, 0.00, 0.18, 0.51
HSL	145°, 18%, 42%
HSV	145°, 30%, 49%
XYZ	13.7095, 17.6727, 15.5199
YIQ	111.1300, -15.5860, -14.8980

Conversions

Conversions Part 2

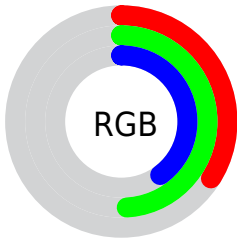
Format	Color
RYB	87, 114, 125
Decimal	5733735
CIELab	49.10, -18.37, 7.76
CIElCh	49, 19.943, 157.094
Yxy	17.6727, 0.2923, 0.3768
Android (android.graphics.Color)	4283923815 (0xFF577D67)
YUV	111.1300, -4.0081, -21.1620
Hunter-Lab	42.0389, -15.3568, 7.5386

Details

The Yxy color **17.6727, 0.2923, 0.3768** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.2746, 0.3404, 0.2857**, and the grayscale version is **15.9494, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.5772, 0.2976, 0.3654**, and **5.9055, 0.2831, 0.4006** is the 20% darker color. If you saturate the color by 10%, you get **16.9842, 0.2865, 0.3957**, and if you desaturate by 10%, it is **18.4794, 0.2987, 0.3594**.

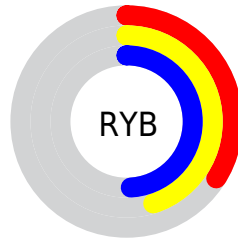
Distribution



Red (34%)

Green (49%)

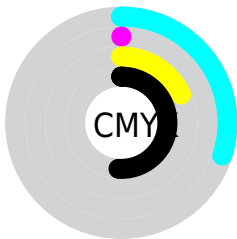
Blue (40%)



Red (34%)

Yellow (45%)

Blue (49%)

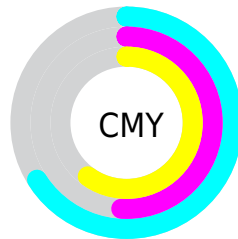


Cyan (30%)

Magenta (0%)

Yellow (18%)

Black (51%)



Cyan (66%)

Magenta (51%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.6727, 0.2923, 0.3768 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 17.6727, 0.2923, 0.3768 by changing the saturation by 10% instead.

■ 17.6727, 0.2923,
0.3768

■ 17.6727, 0.2923,
0.3768

■ 239.0197, 0.3045,
0.3483

■ 10.7153, 0.2883,
0.3862

■ 39.4788, 0.2974,
0.3650

■ 5.8757, 0.2823,
0.4000

■ 55.0963, 0.2991,
0.3610

■ 2.7696, 0.2724,
0.4227

■ 74.3692, 0.3004,
0.3579

■ 1.0127, 0.2451,
0.4880

■ 97.6820, 0.3015,
0.3553

■ 0.0000, 0.0000,
0.0000

■ 125.4191, 0.3025,
0.3531

157.9648, 0.3033,

0.3513

195.7035, 0.3039,
0.3497

■ 17.6727, 0.2923,
0.3768

■ 17.6727, 0.2923,
0.3768

■ 16.9842, 0.2865,
0.3957

■ 18.4794, 0.2987,
0.3594

■ 16.4061, 0.2815,
0.4160

■ 19.4074, 0.3055,
0.3437

■ 15.9328, 0.2777,
0.4372

■ 20.4625, 0.3124,
0.3296

■ 15.5577, 0.2754,
0.4590


■ 21.6492, 0.3193,
0.3170

■ 15.2729, 0.2748,
0.4806

■ 22.9721, 0.3261,
0.3059


 15.0697, 0.2759,
0.5014

 24.4354, 0.3327,
0.2962

 14.9239, 0.2779,
0.5203

 26.0430, 0.3390,
0.2876

 27.7989, 0.3450,
0.2801

 29.7069, 0.3507,
0.2735

Harmonies

Analogous

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



17.6727, 0.3305, 0.3965



17.6727, 0.2923, 0.3768



17.6727, 0.2609, 0.3418

Triad

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



17.6727, 0.2923, 0.3768



17.6727, 0.2603, 0.2668



17.6727, 0.3872, 0.3453

Complementary

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



17.6727, 0.2923, 0.3768



12.2746, 0.3404, 0.2857

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.



17.6727, 0.3661, 0.3140



17.6727, 0.2923, 0.3768



17.6727, 0.2915, 0.2704

Square

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



17.6727, 0.2923, 0.3768



17.6727, 0.2434, 0.2786



17.6727, 0.3303, 0.2873



17.6727, 0.3866, 0.3747

Rectangle

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



17.6727, 0.2923, 0.3768



17.6727, 0.2475, 0.3168



17.6727, 0.3303, 0.2873



17.6727, 0.3824, 0.3347

Sweetspot

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



17.6734, 0.2923, 0.3768



34.9658, 0.3063, 0.3419



18.6184, 0.3359, 0.4066



7.9037, 0.3055, 0.3437



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.



17.6734, 0.2923, 0.3768



30.7037, 0.2879, 0.3908



18.0954, 0.2738, 0.3355



4.8465, 0.3064, 0.3417



15.5721, 0.2779, 0.5206



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.2746, 0.3404, 0.2857



19.2993, 0.3495, 0.2748



11.9115, 0.3716, 0.3228



4.3827, 0.3196, 0.3166



5.0417, 0.4575, 0.2294



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.6727, 0.2923, 0.3768 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 17.6727, 0.2923, 0.3768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

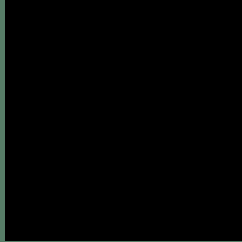
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.6727, 0.2923, 0.3768

Background



This preview shows how black text looks on a background with the Yxy color 17.6727, 0.2923, 0.3768.



This preview shows how white text looks on a background with the Yxy color 17.6727, 0.2923, 0.3768.

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

17.6727, 0.2923, 0.3768

Protanopia

17.5102, 0.3429, 0.3644

Deuteranopia

17.4542, 0.3463, 0.3404



Tritanopia

17.6406, 0.2703, 0.3087

Trichromacy



Original Color

17.6727, 0.2923, 0.3768

Protanomaly

17.3650, 0.3223, 0.3681

Deuteranomaly

17.3873, 0.3245, 0.3531

Tritanomaly

17.5237, 0.2781, 0.3310

Monochromacy



Original Color

17.6727, 0.2923, 0.3768

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.3983, 0.3043, 0.3458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6727, 0.2923, 0.3768 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, 125, 103)` looks like.

```
.text, #text, p{  
  color:rgb(87, 125, 103)  
}
```

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, 125, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 125, 103) }
```

Border

The CSS property to change the border of an element to Yxy 17.6727, 0.2923, 0.3768 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, 125, 103) }
```

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

```
.border{ border-color:rgb(87, 125, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 125, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 125, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 125, 103);  
box-shadow:4px 4px 4px 4px rgb(87, 125,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6727, 0.2923, 0.3768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 125, 103) }
```

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

```
.background{ background-color: rgb(87, 125,  
103) }
```

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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