

Converting Colors

$Y_{xy}(17.8322, 0.2984, 0.4055)$

Have a look what the booklet for
Yxy(17.8322, 0.2984, 0.4055)
contains.

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Color

Yxy(17.8081, 0.2982, 0.4043)

Conversions

Conversions Part 1

Format	Color
Hex	537F5D
RGB	83, 127, 93
RGB Percent	33%, 50%, 36%
CMY	0.6744, 0.5020, 0.6352
CMYK	0.35, 0.00, 0.27, 0.50
HSL	134°, 21%, 41%
HSV	134°, 35%, 50%
XYZ	13.1347, 17.8081, 13.1039
YIQ	109.9680, -15.3100, -19.9020

Conversions

Conversions Part 2

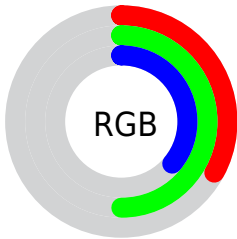
Format	Color
RYB	83, 119, 127
Decimal	5472093
CIELab	49.26, -22.80, 13.78
CIELCh	49, 26.641, 148.858
Yxy	17.8081, 0.2982, 0.4043
Android (android.graphics.Color)	4283662173 (0xFF537F5D)
YUV	109.9680, -8.3652, -23.6509
Hunter-Lab	42.1996, -18.2908, 11.1289

Details

The Yxy color **17.8081, 0.2982, 0.4043** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.9874, 0.3317, 0.2640**, and the grayscale version is **15.6133, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.6940, 0.3026, 0.3861**, and **6.0113, 0.2893, 0.4425** is the 20% darker color. If you saturate the color by 10%, you get **17.1199, 0.2946, 0.4308**, and if you desaturate by 10%, it is **18.6259, 0.3022, 0.3797**.

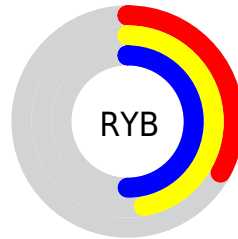
Distribution



Red (33%)

Green (50%)

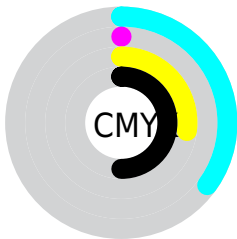
Blue (36%)



Red (33%)

Yellow (47%)

Blue (50%)

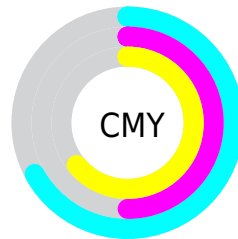


Cyan (35%)

Magenta (0%)

Yellow (27%)

Black (50%)



Cyan (67%)


Magenta (50%)

Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8081, 0.2982, 0.4043 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 17.8081, 0.2982, 0.4043 by changing the saturation by 10% instead.


 17.8081, 0.2982,
0.4043


 17.8081, 0.2982,
0.4043


239.7872, 0.3075,
0.3590


 10.8123, 0.2948,
0.4194


 39.7101, 0.3023,
0.3854


 5.9408, 0.2893,
0.4420

 55.3850, 0.3036,
0.3791


 2.8091, 0.2796,
0.4791

 74.7218, 0.3046,
0.3740

 1.0329, 0.2606,
0.6439

 98.1048, 0.3054,
0.3699

 0.0000, 0.0000,
0.0000

 125.9185, 0.3061,
0.3665

158.5472, 0.3066,

0.3636

196.3753, 0.3071,
0.3611

■ 17.8081, 0.2982,
0.4043

■ 17.8081, 0.2982,
0.4043

■ 17.1199, 0.2946,
0.4308

■ 18.6259, 0.3022,
0.3797

■ 16.5526, 0.2917,
0.4586

■ 19.5773, 0.3065,
0.3574

■ 16.0995, 0.2897,
0.4868


■ 20.6688, 0.3107,
0.3374

■ 15.7528, 0.2889,
0.5142


■ 21.9057, 0.3150,
0.3198


■ 15.5032, 0.2894,
0.5391

■ 23.2932, 0.3191,
0.3043

 15.3382, 0.2910,
0.5605

 24.8361, 0.3230,
0.2907

 15.2659, 0.2918,
0.5704

 26.5391, 0.3266,
0.2789

 28.4067, 0.3301,
0.2686

 30.4431, 0.3333,
0.2597

Harmonies

Analogous

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



17.8081, 0.3488, 0.4223



17.8081, 0.2982, 0.4043



17.8081, 0.2538, 0.3599

Triad

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



17.8081, 0.2982, 0.4043



17.8081, 0.2360, 0.2497



17.8081, 0.4073, 0.3374

Complementary

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



17.8081, 0.2982, 0.4043



11.9874, 0.3317, 0.2640

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.



17.8081, 0.3721, 0.2984



17.8081, 0.2982, 0.4043



17.8081, 0.2715, 0.2498

Square

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



17.8081, 0.2982, 0.4043



17.8081, 0.2203, 0.2694



17.8081, 0.3210, 0.2673



17.8081, 0.4141, 0.3775

Rectangle

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



17.8081, 0.2982, 0.4043



17.8081, 0.2332, 0.3251



17.8081, 0.3210, 0.2673



17.8081, 0.3983, 0.3239

Sweetspot

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



17.8088, 0.2982, 0.4043



35.8856, 0.3083, 0.3484



19.6175, 0.3501, 0.4150



8.3485, 0.3078, 0.3508



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.



17.8088, 0.2982, 0.4043



30.8444, 0.2952, 0.4264



18.2455, 0.2772, 0.3555



4.8335, 0.3088, 0.3461



15.3967, 0.2918, 0.5705



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.9874, 0.3317, 0.2640



18.6705, 0.3376, 0.2485



11.5378, 0.3676, 0.3044



4.3962, 0.3169, 0.3125



5.4427, 0.3858, 0.1899



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.8081, 0.2982, 0.4043 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 17.8081, 0.2982, 0.4043 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

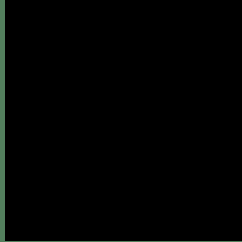
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.8081, 0.2982, 0.4043

Background



This preview shows how black text looks on a background with the Yxy color 17.8081, 0.2982, 0.4043.



This preview shows how white text looks on a background with the Yxy color 17.8081, 0.2982, 0.4043.

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

17.8081, 0.2982, 0.4043

Protanopia

17.5553, 0.3597, 0.3835

Deuteranopia

17.5838, 0.3653, 0.3589



Tritanopia

17.8092, 0.2676, 0.3086

Trichromacy



Original Color

17.8081, 0.2982, 0.4043

Protanomaly

17.4861, 0.3351, 0.3909

Deuteranomaly

17.2618, 0.3381, 0.3734

Tritanomaly

17.7980, 0.2783, 0.3415

Monochromacy



Original Color

17.8081, 0.2982, 0.4043

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.1996, 0.3064, 0.3546

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8081, 0.2982, 0.4043 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(83, 127, 93)` looks like.

```
.text, #text, p{  
    color:rgb(83, 127, 93)  
}
```

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(83, 127, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 127, 93) }
```

Border

The CSS property to change the border of an element to Yxy 17.8081, 0.2982, 0.4043 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(83, 127, 93) }
```

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

```
.border{ border-color:rgb(83, 127, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 127, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 127, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 127, 93);  
box-shadow:4px 4px 4px 4px rgb(83, 127,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8081, 0.2982, 0.4043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 127, 93) }
```

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

```
.background{ background-color: rgb(83, 127,  
93) }
```

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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