

Converting Colors

$Y_{xy}(17.6774, 0.2948, 0.4172)$

Have a look what the booklet for
Yxy(17.6774, 0.2948, 0.4172)
contains.

Yxy(17.6961, 0.2948, 0.4173)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.6961, 0.2948, 0.4173)

Conversions

Conversions Part 1

Format	Color
Hex	4C8059
RGB	76, 128, 89
RGB Percent	30%, 50%, 35%
CMY	0.7021, 0.4980, 0.6510
CMYK	0.41, 0.00, 0.30, 0.50
HSL	135°, 26%, 40%
HSV	135°, 41%, 50%
XYZ	12.5013, 17.6961, 12.2087
YIQ	108.0060, -18.4730, -23.1530

Conversions

Conversions Part 2

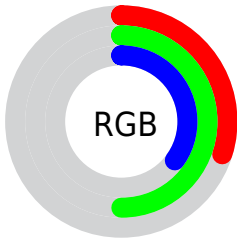
Format	Color
RYB	76, 118, 128
Decimal	5013593
CIELab	49.13, -26.43, 15.84
CIElCh	49, 30.819, 149.065
Yxy	17.6961, 0.2948, 0.4173
Android (android.graphics.Color)	4283203673 (0xFF4C8059)
YUV	108.0060, -9.3700, -28.0693
Hunter-Lab	42.0667, -20.5704, 12.2394

Details

The Yxy color **17.6961, 0.2948, 0.4173** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **10.9922, 0.3380, 0.2548**, and the grayscale version is **15.0274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4239, 0.2999, 0.3950**, and **5.8428, 0.2834, 0.4618** is the 20% darker color. If you saturate the color by 10%, you get **17.0730, 0.2914, 0.4439**, and if you desaturate by 10%, it is **18.4460, 0.2988, 0.3923**.

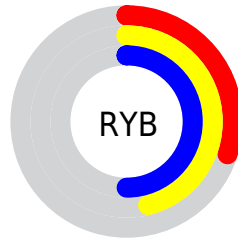
Distribution



Red (30%)

Green (50%)

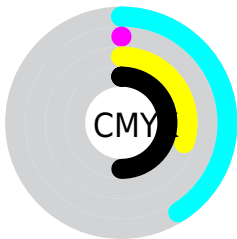
Blue (35%)



Red (30%)

Yellow (46%)

Blue (50%)

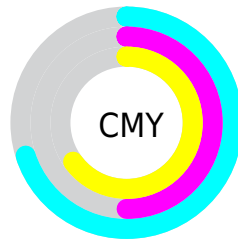


Cyan (41%)

Magenta (0%)

Yellow (30%)

Black (50%)



Cyan (70%)


Magenta (50%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.6961, 0.2948, 0.4173 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 17.6961, 0.2948, 0.4173 by changing the saturation by 10% instead.


 17.6961, 0.2948,
0.4173

 17.6961, 0.2948,
0.4173


239.1525, 0.3064,
0.3638


 10.7320, 0.2904,
0.4353


 39.5188, 0.2999,
0.3949


 5.8869, 0.2835,
0.4623

 55.1462, 0.3015,
0.3874

 2.7765, 0.2709,
0.5069

 74.4302, 0.3028,
0.3815

 1.0162, 0.2366,
0.7634

 97.7552, 0.3038,
0.3767

 0.0000, 0.0000,
0.0000

 125.5055, 0.3046,
0.3726

158.0655, 0.3053,

0.3692

195.8197, 0.3059,
0.3663

■ 17.6961, 0.2948,
0.4173

■ 17.6961, 0.2948,
0.4173

■ 17.0730, 0.2914,
0.4439

■ 18.4460, 0.2988,
0.3923

■ 16.5675, 0.2889,
0.4714

■ 19.3269, 0.3032,
0.3693

■ 16.1726, 0.2875,
0.4986

■ 20.3457, 0.3078,
0.3486


■ 15.8796, 0.2875,
0.5244

■ 21.5080, 0.3124,
0.3301

■ 15.6783, 0.2888,
0.5474


■ 22.8191, 0.3169,
0.3138

 15.5447, 0.2905,
0.5657

 24.2840, 0.3213,
0.2995

 25.9076, 0.3254,
0.2870

 27.6945, 0.3293,
0.2761

 29.6490, 0.3330,
0.2667

Harmonies

Analogous

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



17.6961, 0.3530, 0.4377



17.6961, 0.2948, 0.4173



17.6961, 0.2443, 0.3643

Triad

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



17.6961, 0.2948, 0.4173



17.6961, 0.2251, 0.2381



17.6961, 0.4227, 0.3378

Complementary

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



17.6961, 0.2948, 0.4173



10.9922, 0.3380, 0.2548

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.



17.6961, 0.3818, 0.2939



17.6961, 0.2948, 0.4173



17.6961, 0.2653, 0.2389

Square

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



17.6961, 0.2948, 0.4173



17.6961, 0.2073, 0.2596



17.6961, 0.3223, 0.2589



17.6961, 0.4298, 0.3835

Rectangle

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



17.6961, 0.2948, 0.4173



17.6961, 0.2212, 0.3233



17.6961, 0.3223, 0.2589



17.6961, 0.4124, 0.3226

Sweetspot

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



17.6968, 0.2948, 0.4173



35.5090, 0.3071, 0.3518



19.6062, 0.3539, 0.4312



8.2683, 0.3066, 0.3539



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.



17.6968, 0.2948, 0.4173



30.1084, 0.2916, 0.4425



18.2133, 0.2704, 0.3570



4.8350, 0.3085, 0.3456



15.4121, 0.2905, 0.5657



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.9922, 0.3380, 0.2548



16.5606, 0.3459, 0.2384



10.4759, 0.3848, 0.3034



4.3946, 0.3172, 0.3130



5.3871, 0.3937, 0.1943



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.6961, 0.2948, 0.4173 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 17.6961, 0.2948, 0.4173 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 17.6961, 0.2948, 0.4173

Background



This preview shows how black text looks on a background with the Yxy color 17.6961, 0.2948, 0.4173.



This preview shows how white text looks on a background with the Yxy color 17.6961, 0.2948, 0.4173.

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

17.6961, 0.2948, 0.4173

Protanopia

17.4908, 0.3647, 0.3913

Deuteranopia

17.5296, 0.3693, 0.3645



Tritanopia

17.5163, 0.2617, 0.3083

Trichromacy



Original Color

17.6961, 0.2948, 0.4173

Protanomaly

17.2306, 0.3358, 0.4002

Deuteranomaly

17.3070, 0.3387, 0.3819

Tritanomaly

17.4701, 0.2742, 0.3461

Monochromacy



Original Color

17.6961, 0.2948, 0.4173

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.6878, 0.3049, 0.3596

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6961, 0.2948, 0.4173 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(76, 128, 89)` looks like.

```
.text, #text, p{  
    color:rgb(76, 128, 89)  
}
```

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(76, 128, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 128, 89) }
```

Border

The CSS property to change the border of an element to Yxy 17.6961, 0.2948, 0.4173 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(76, 128, 89) }
```

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

```
.border{ border-color:rgb(76, 128, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 128, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 128, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 128, 89);  
box-shadow:4px 4px 4px 4px rgb(76, 128,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6961, 0.2948, 0.4173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 128, 89) }
```

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

```
.background{ background-color: rgb(76, 128,  
89) }
```

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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