

Converting Colors

$Y_{xy}(17.0032, 0.2995, 0.4143)$

Have a look what the booklet for
Yxy(17.0032, 0.2995, 0.4143)
contains.

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Color

Yxy(17.0176, 0.2998, 0.4156)

Conversions

Conversions Part 1

Format	Color
Hex	4F7D57
RGB	79, 125, 87
RGB Percent	31%, 49%, 34%
CMY	0.6903, 0.5098, 0.6588
CMYK	0.37, 0.00, 0.30, 0.51
HSL	130°, 23%, 40%
HSV	130°, 37%, 49%
XYZ	12.2759, 17.0176, 11.6535
YIQ	106.9140, -15.2180, -21.5700

Conversions

Conversions Part 2

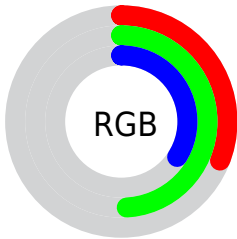
Format	Color
R_{YB}	79, 118, 125
Decimal	5209431
CIE _{Lab}	48.28, -24.34, 15.87
CIE _{LCh}	48, 29.057, 146.886
Yxy	17.0176, 0.2998, 0.4156
Android (android.graphics.Color)	4283399511 (0xFF4F7D57)
YUV	106.9140, -9.8176, -24.4806
Hunter-Lab	41.2524, -19.0735, 12.1276

Details

The Yxy color **17.0176, 0.2998, 0.4156** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.2312, 0.3293, 0.2557**, and the grayscale version is **14.7069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3928, 0.3039, 0.3936**, and **5.6050, 0.2905, 0.4625** is the 20% darker color. If you saturate the color by 10%, you get **16.3752, 0.2968, 0.4442**, and if you desaturate by 10%, it is **17.7864, 0.3032, 0.3888**.

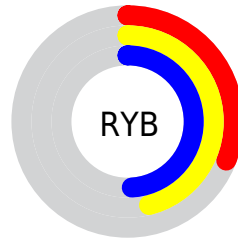
Distribution



Red (31%)

Green (49%)

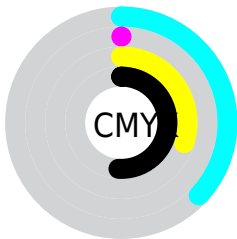
Blue (34%)



Red (31%)

Yellow (46%)

Blue (49%)

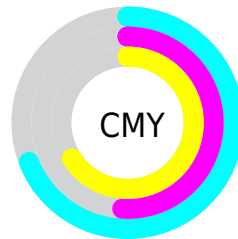


Cyan (37%)

Magenta (0%)

Yellow (30%)

Black (51%)



Cyan (69%)


Magenta (51%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.0176, 0.2998, 0.4156 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 17.0176, 0.2998, 0.4156 by changing the saturation by 10% instead.


 17.0176, 0.2998,
0.4156


 17.0176, 0.2998,
0.4156


235.2738, 0.3085,
0.3630


 10.2470, 0.2963,
0.4334


 38.3560, 0.3037,
0.3935


 5.5631, 0.2906,
0.4603

 53.6927, 0.3049,
0.3861


 2.5813, 0.2798,
0.5050

 72.6535, 0.3059,
0.3803

 0.9173, 0.2322,
0.7678

 95.6229, 0.3066,
0.3756

 0.0000, 0.0000,
0.0000

 122.9852, 0.3072,
0.3716

155.1249, 0.3077,

0.3683

192.4263, 0.3081,
0.3654

■ 17.0176, 0.2998,
0.4156

■ 17.0176, 0.2998,
0.4156

■ 16.3752, 0.2968,
0.4442

■ 17.7864, 0.3032,
0.3888

■ 15.8503, 0.2944,
0.4739

■ 18.6855, 0.3067,
0.3644

■ 15.4364, 0.2929,
0.5033


■ 19.7216, 0.3103,
0.3425


■ 15.1252, 0.2923,
0.5309

■ 20.8999, 0.3138,
0.3231


■ 14.9075, 0.2929,
0.5551


■ 22.2257, 0.3172,
0.3061

 14.7656, 0.2942,
0.5745

 23.7038, 0.3204,
0.2913

 14.7267, 0.2944,
0.5797

 25.3389, 0.3234,
0.2784

 27.1354, 0.3262,
0.2672

 29.0975, 0.3288,
0.2574

Harmonies

Analogous

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



17.0176, 0.3555, 0.4327



17.0176, 0.2998, 0.4156



17.0176, 0.2503, 0.3670

Triad

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



17.0176, 0.2998, 0.4156



17.0176, 0.2267, 0.2426



17.0176, 0.4159, 0.3346

Complementary

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



17.0176, 0.2998, 0.4156



11.2312, 0.3293, 0.2557

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.



17.0176, 0.3750, 0.2926



17.0176, 0.2998, 0.4156



17.0176, 0.2640, 0.2417

Square

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



17.0176, 0.2998, 0.4156



17.0176, 0.2111, 0.2651



17.0176, 0.3178, 0.2597



17.0176, 0.4254, 0.3787

Rectangle

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



17.0176, 0.2998, 0.4156



17.0176, 0.2270, 0.3280



17.0176, 0.3178, 0.2597



17.0176, 0.4052, 0.3200

Sweetspot

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



17.0183, 0.2998, 0.4156



34.4579, 0.3087, 0.3519



19.0387, 0.3554, 0.4195



7.7927, 0.3083, 0.3542



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.



17.0183, 0.2998, 0.4156



29.5074, 0.2973, 0.4391



17.4487, 0.2775, 0.3626



4.8300, 0.3095, 0.3473



15.3671, 0.2944, 0.5800



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.2312, 0.3293, 0.2557



17.5808, 0.3339, 0.2398



10.7612, 0.3682, 0.2982



4.3999, 0.3161, 0.3114



5.5757, 0.3689, 0.1806



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.0176, 0.2998, 0.4156 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 17.0176, 0.2998, 0.4156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

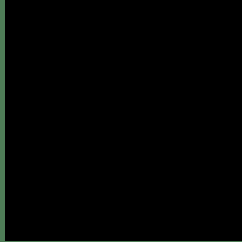
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.0176, 0.2998, 0.4156

Background



This preview shows how black text looks on a background with the Yxy color 17.0176, 0.2998, 0.4156.



This preview shows how white text looks on a background with the Yxy color 17.0176, 0.2998, 0.4156.

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

17.0176, 0.2998, 0.4156

Protanopia

16.8548, 0.3656, 0.3922

Deuteranopia

16.8766, 0.3716, 0.3669



Tritanopia

17.0926, 0.2669, 0.3103

Trichromacy



Original Color

17.0176, 0.2998, 0.4156

Protanomaly

16.7228, 0.3389, 0.4007

Deuteranomaly

16.4934, 0.3421, 0.3827

Tritanomaly

17.0653, 0.2788, 0.3462

Monochromacy



Original Color

17.0176, 0.2998, 0.4156

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.4961, 0.3074, 0.3596

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.0176, 0.2998, 0.4156 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(79, 125, 87)` looks like.

```
.text, #text, p{  
    color:rgb(79, 125, 87)  
}
```

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(79, 125, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 125, 87) }
```

Border

The CSS property to change the border of an element to Yxy 17.0176, 0.2998, 0.4156 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(79, 125, 87) }
```

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

```
.border{ border-color:rgb(79, 125, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 125, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 125, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 125, 87);  
box-shadow:4px 4px 4px 4px rgb(79, 125,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 17.0176, 0.2998, 0.4156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 125, 87) }
```

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

```
.background{ background-color: rgb(79, 125,  
87) }
```

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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