

Converting Colors

$Y_{xy}(18.1421, 0.2995, 0.3434)$

Have a look what the booklet for
Yxy(18.1421, 0.2995, 0.3434)
contains.

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Color

$Y_{xy}(18.0999, 0.2989, 0.3432)$

Conversions

Conversions Part 1

Format	Color
Hex	687A73
RGB	104, 122, 115
RGB Percent	41%, 48%, 45%
CMY	0.5921, 0.5216, 0.5491
CMYK	0.15, 0.00, 0.06, 0.52
HSL	157°, 8%, 44%
HSV	157°, 15%, 48%
XYZ	15.7636, 18.0999, 18.8752
YIQ	115.8200, -8.4810, -5.9930

Conversions

Conversions Part 2

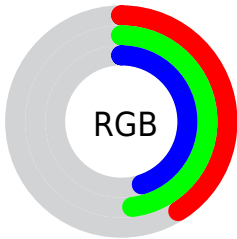
Format	Color
RYB	104, 115, 122
Decimal	6847091
CIELab	49.62, -8.12, 1.62
CIELCh	50, 8.281, 168.746
Yxy	18.0999, 0.2989, 0.3432
Android (android.graphics.Color)	4285037171 (0xFF687A73)
YUV	115.8200, -0.4043, -10.3661
Hunter-Lab	42.5440, -8.3134, 3.4760

Details

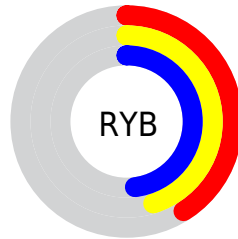
The Yxy color **18.0999, 0.2989, 0.3432** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.1912, 0.3289, 0.3152**, and the grayscale version is **17.4112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0307, 0.3018, 0.3390**, and **6.0402, 0.2933, 0.3485** is the 20% darker color. If you saturate the color by 10%, you get **17.3156, 0.2900, 0.3541**, and if you desaturate by 10%, it is **18.9971, 0.3082, 0.3333**.

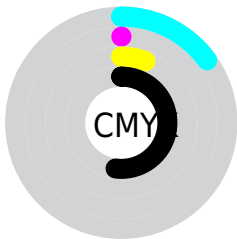
Distribution



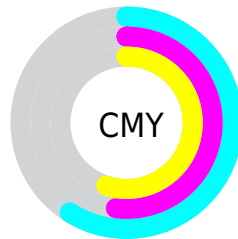
- Red (41%)
- Green (48%)
- Blue (45%)



- Red (41%)
- Yellow (45%)
- Blue (48%)



- Cyan (15%)
- Magenta (0%)
- Yellow (6%)
- Black (52%)



- Cyan (59%)
- Magenta (52%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.0999, 0.2989, 0.3432 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 18.0999, 0.2989, 0.3432 by changing the saturation by 10% instead.

■ 18.0999, 0.2989,
0.3432

■ 18.0999, 0.2989,
0.3432

■ 241.4335, 0.3069,
0.3349

■ 11.0217, 0.2964,
0.3458

■ 40.2075, 0.3021,
0.3398

■ 6.0815, 0.2928,
0.3496

■ 56.0057, 0.3033,
0.3387

■ 2.8947, 0.2871,
0.3555

■ 75.4794, 0.3042,
0.3378

■ 1.0770, 0.2768,
0.3664

■ 99.0129, 0.3049,
0.3370

■ 0.0000, 0.0000,
0.0000

■ 126.9907, 0.3055,
0.3364

■ 159.7971, 0.3061,

0.3358

197.8166, 0.3065,
0.3353

■ 18.0999, 0.2989,
0.3432

■ 18.0999, 0.2989,
0.3432

■ 17.3156, 0.2900,
0.3541

■ 18.9971, 0.3082,
0.3333

■ 16.6372, 0.2817,
0.3659

■ 20.0091, 0.3177,
0.3244

■ 16.0606, 0.2744,
0.3787

■ 21.1409, 0.3273,
0.3165

■ 15.5805, 0.2682,
0.3922

■ 22.3963, 0.3367,
0.3095

■ 15.1910, 0.2635,
0.4063

■ 23.7791, 0.3459,
0.3032

■ 14.8857, 0.2605,
0.4208

■ 25.2927, 0.3549,
0.2978

■ 14.6571, 0.2593,
0.4354

■ 26.9407, 0.3635,
0.2930

■ 14.4942, 0.2599,
0.4499

■ 28.7262, 0.3717,
0.2888

■ 14.4181, 0.2604,
0.4575

■ 30.6524, 0.3795,
0.2851

Harmonies

Analogous

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



18.0999, 0.3144, 0.3536



18.0999, 0.2989, 0.3432



18.0999, 0.2873, 0.3288

Triad

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



18.0999, 0.2989, 0.3432



18.0999, 0.2954, 0.3022



18.0999, 0.3441, 0.3418

Complementary

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



18.0999, 0.2989, 0.3432



15.1912, 0.3289, 0.3152

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.



18.0999, 0.3388, 0.3284



18.0999, 0.2989, 0.3432



18.0999, 0.3104, 0.3059

Square

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



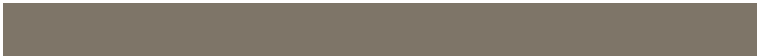
18.0999, 0.2989, 0.3432



18.0999, 0.2853, 0.3054



18.0999, 0.3263, 0.3154



18.0999, 0.3407, 0.3524

Rectangle

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



18.0999, 0.2989, 0.3432



18.0999, 0.2831, 0.3193



18.0999, 0.3263, 0.3154



18.0999, 0.3433, 0.3375

Sweetspot

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



18.1007, 0.2989, 0.3432



33.5294, 0.3088, 0.3327



18.3123, 0.3199, 0.3652



7.6420, 0.3082, 0.3333



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.



18.1007, 0.2989, 0.3432



31.3115, 0.2955, 0.3471



17.8311, 0.2913, 0.3253



4.4872, 0.3041, 0.3375



15.1783, 0.2605, 0.4578



72.2313, 0.2625, 0.4651

Inverse Universe

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



15.1912, 0.3289, 0.3152



25.0653, 0.3337, 0.3116



15.4083, 0.3381, 0.3326



4.0386, 0.3221, 0.3207



4.5764, 0.5335, 0.2713



21.6731, 0.5464, 0.2783

Previews

White Background



This preview shows how the Yxy color 18.0999, 0.2989, 0.3432 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 18.0999, 0.2989, 0.3432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

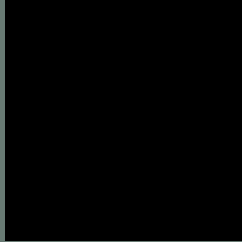
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0999, 0.2989, 0.3432

Background



This preview shows how black text looks on a background with the Yxy color 18.0999, 0.2989, 0.3432.

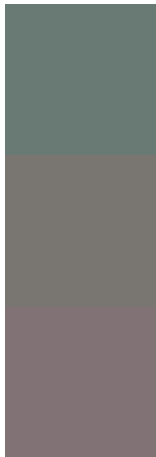


This preview shows how white text looks on a background with the Yxy color 18.0999, 0.2989, 0.3432.

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

18.0999, 0.2989, 0.3432

Protanopia

17.9574, 0.3239, 0.3387

Deuteranopia

17.9861, 0.3288, 0.3235



Tritanopia

18.1437, 0.2873, 0.3113

Trichromacy



Original Color

18.0999, 0.2989, 0.3432

Protanomaly

18.0307, 0.3147, 0.3408

Deuteranomaly

17.9766, 0.3177, 0.3309

Tritanomaly

18.1942, 0.2915, 0.3230

Monochromacy



Original Color

18.0999, 0.2989, 0.3432

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.6626, 0.3075, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0999, 0.2989, 0.3432 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(104, 122, 115)` looks like.

```
.text, #text, p{  
    color:rgb(104, 122, 115)  
}
```

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(104, 122, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 122, 115) }
```

Border

The CSS property to change the border of an element to Yxy 18.0999, 0.2989, 0.3432 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(104, 122, 115) }
```

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

```
.border{ border-color:rgb(104, 122, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 122, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 122, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 122, 115);  
box-shadow:4px 4px 4px 4px rgb(104, 122,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0999, 0.2989, 0.3432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 122, 115) }
```

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

```
.background{ background-color: rgb(104,  
122, 115) }
```

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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