

Converting Colors

$Yxy(18.8047, 0.3199, 0.4576)$

Have a look what the booklet for
Yxy(18.8047, 0.3199, 0.4576)
contains.

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Color

Yxy(18.9017, 0.3199, 0.4593)

Conversions

Conversions Part 1

Format	Color
Hex	558448
RGB	85, 132, 72
RGB Percent	33%, 52%, 28%
CMY	0.6668, 0.4823, 0.7176
CMYK	0.36, 0.00, 0.45, 0.48
HSL	107°, 29%, 40%
HSV	107°, 45%, 52%
XYZ	13.1649, 18.9017, 9.0866
YIQ	111.1070, -8.7520, -28.6240

Conversions

Conversions Part 2

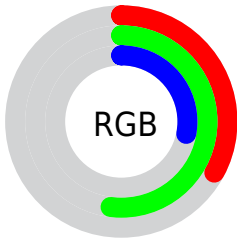
Format	Color
R_{YB}	72, 132, 119
Decimal	5604424
CIE _{Lab}	50.57, -28.25, 27.38
CIE _{LCh}	51, 39.339, 135.895
Yxy	18.9017, 0.3199, 0.4593
Android (android.graphics.Color)	4283794504 (0xFF558448)
YUV	111.1070, -19.2798, -22.8958
Hunter-Lab	43.4761, -22.0318, 18.0415

Details

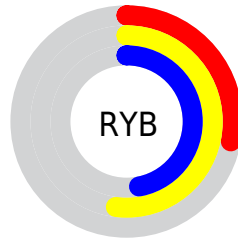
The Yxy color **18.9017, 0.3199, 0.4593** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **10.2279, 0.2975, 0.2158**, and the grayscale version is **15.9863, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4214, 0.3202, 0.4254**, and **6.4665, 0.3147, 0.5222** is the 20% darker color. If you saturate the color by 10%, you get **18.2990, 0.3199, 0.4916**, and if you desaturate by 10%, it is **19.6139, 0.3191, 0.4272**.

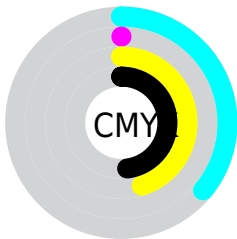
Distribution



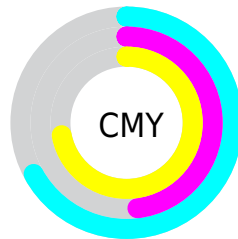
- Red (33%)
- Green (52%)
- Blue (28%)



- Red (28%)
- Yellow (52%)
- Blue (47%)



- Cyan (36%)
- Magenta (0%)
- Yellow (45%)
- Black (48%)





- Cyan (67%)
- Magenta (48%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9017, 0.3199, 0.4593 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 18.9017, 0.3199, 0.4593 by changing the saturation by 10% instead.


 18.9017, 0.3199,
0.4593

 18.9017, 0.3199,
0.4593


245.9056, 0.3184,
0.3808


 11.5993, 0.3186,
0.4849


 41.5679, 0.3203,
0.4267


 6.4714, 0.3150,
0.5223


 57.7005, 0.3201,
0.4158


 3.1338, 0.3081,
0.5861

 77.5453, 0.3198,
0.4070

 1.2020, 0.2602,
0.7398

 101.4866, 0.3195,
0.3999

 0.0633, 0.0000,
1.0000

 129.9089, 0.3192,
0.3939

 0.0000, 0.0000,
0.0000

163.1966, 0.3189,

0.3889

201.7340, 0.3186,
0.3845

■ 18.9017, 0.3199,
0.4593

■ 18.9017, 0.3199,
0.4593

■ 18.2990, 0.3199,
0.4916

■ 19.6139, 0.3191,
0.4272

■ 17.7979, 0.3190,
0.5223

■ 20.4382, 0.3177,
0.3964

■ 17.3933, 0.3170,
0.5495


■ 21.3802, 0.3159,
0.3679

■ 17.0784, 0.3141,
0.5712


■ 22.4443, 0.3139,
0.3420

■ 16.8449, 0.3106,
0.5866

■ 23.6348, 0.3117,
0.3188

 16.7590, 0.3093,
0.5926

 24.9556, 0.3095,
0.2982

 26.4106, 0.3074,
0.2801

 28.0035, 0.3053,
0.2643

 29.7377, 0.3033,
0.2503

Harmonies

Analogous

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



18.9017, 0.3895, 0.4597



18.9017, 0.3199, 0.4593



18.9017, 0.2521, 0.4069

Triad

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



18.9017, 0.3199, 0.4593



18.9017, 0.1936, 0.2255



18.9017, 0.4323, 0.3136

Complementary

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



18.9017, 0.3199, 0.4593



10.2279, 0.2975, 0.2158

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.



18.9017, 0.3669, 0.2654



18.9017, 0.3199, 0.4593



18.9017, 0.2297, 0.2164

Square

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



18.9017, 0.3199, 0.4593



18.9017, 0.1846, 0.2624



18.9017, 0.2910, 0.2310



18.9017, 0.4600, 0.3682

Rectangle

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



18.9017, 0.3199, 0.4593



18.9017, 0.2171, 0.3546



18.9017, 0.2910, 0.2310



18.9017, 0.4136, 0.2965

Sweetspot

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



18.9025, 0.3199, 0.4593



37.8582, 0.3157, 0.3648



18.5700, 0.3870, 0.4158



8.7369, 0.3161, 0.3699



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.9025, 0.3199, 0.4593



32.1541, 0.3199, 0.4941



18.6044, 0.2912, 0.4257



5.2497, 0.3147, 0.3512



16.2265, 0.3093, 0.5926



0.0589, 0.3355, 0.5718

Inverse Universe

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



10.2279, 0.2975, 0.2158



14.7634, 0.2923, 0.1904



10.7801, 0.3454, 0.2494



4.7135, 0.3105, 0.3074



4.4362, 0.2683, 0.1252



0.0185, 0.2949, 0.1398

Previews

White Background



This preview shows how the Yxy color 18.9017, 0.3199, 0.4593 looks on a white 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

Black Background



This preview shows how the Yxy color 18.9017, 0.3199, 0.4593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

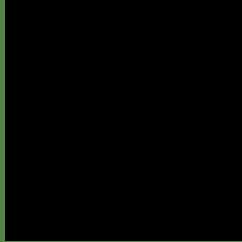
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9017, 0.3199, 0.4593

Background



This preview shows how black text looks on a background with the Yxy color 18.9017, 0.3199, 0.4593.



This preview shows how white text looks on a background with the Yxy color 18.9017, 0.3199, 0.4593.

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

18.9017, 0.3199, 0.4593

Protanopia

18.7558, 0.3908, 0.4242

Deuteranopia

18.8030, 0.4034, 0.3969



Tritanopia

18.9033, 0.2704, 0.3092

Trichromacy



Original Color

18.9017, 0.3199, 0.4593

Protanomaly

18.4898, 0.3635, 0.4378

Deuteranomaly

18.3937, 0.3697, 0.4179

Tritanomaly

18.8835, 0.2889, 0.3623

Monochromacy



Original Color

18.9017, 0.3199, 0.4593

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.8815, 0.3168, 0.3757

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9017, 0.3199, 0.4593 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(85, 132, 72)` looks like.

```
.text, #text, p{  
    color:rgb(85, 132, 72)  
}
```

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(85, 132, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 132, 72) }
```

Border

The CSS property to change the border of an element to Yxy 18.9017, 0.3199, 0.4593 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(85, 132, 72) }
```

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

```
.border{ border-color:rgb(85, 132, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 132, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 132, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 132, 72);  
box-shadow:4px 4px 4px 4px rgb(85, 132,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9017, 0.3199, 0.4593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 132, 72) }
```

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

```
.background{ background-color: rgb(85, 132,  
72) }
```

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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