

Converting Colors

$Y_{xy}(18.8853, 0.3506, 0.4894)$

Have a look what the booklet for
Yxy(18.8853, 0.3506, 0.4894)
contains.

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Color

Yxy(18.9673, 0.3502, 0.4898)

Conversions

Conversions Part 1

Format	Color
Hex	608334
RGB	96, 131, 52
RGB Percent	38%, 51%, 20%
CMY	0.6235, 0.4863, 0.7960
CMYK	0.27, 0.00, 0.60, 0.49
HSL	87°, 43%, 36%
HSV	87°, 60%, 51%
XYZ	13.5613, 18.9673, 6.1959
YIQ	111.5290, 4.4990, -31.9890

Conversions

Conversions Part 2

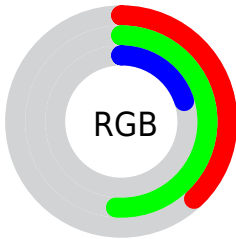
Format	Color
RYB	52, 131, 87
Decimal	6325044
CIELab	50.65, -26.01, 37.98
CIELCh	51, 46.036, 124.400
Yxy	18.9673, 0.3502, 0.4898
Android (android.graphics.Color)	4284515124 (0xFF608334)
YUV	111.5290, -29.3478, -13.6189
Hunter-Lab	43.5515, -20.6325, 22.0510

Details

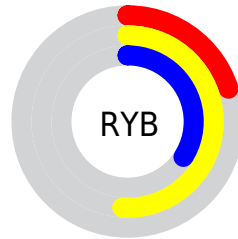
The Yxy color **18.9673, 0.3502, 0.4898** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **6.1214, 0.2465, 0.1631**, and the grayscale version is **16.1460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.6298, 0.3453, 0.4501**, and **6.4657, 0.3517, 0.5589** is the 20% darker color. If you saturate the color by 10%, you get **18.5628, 0.3523, 0.5141**, and if you desaturate by 10%, it is **19.4295, 0.3463, 0.4630**.

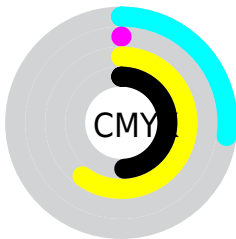
Distribution



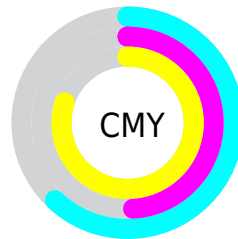
- Red (38%)
- Green (51%)
- Blue (20%)



- Red (20%)
- Yellow (51%)
- Blue (34%)



- Cyan (27%)
- Magenta (0%)
- Yellow (60%)
- Black (49%)




- Cyan (62%)
- Magenta (49%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.9673, 0.3502, 0.4898 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 18.9673, 0.3502, 0.4898 by changing the saturation by 10% instead.


 18.9673, 0.3502,
0.4898


 18.9673, 0.3502,
0.4898


246.2682, 0.3332,
0.3943


 11.6467, 0.3519,
0.5191


 41.6788, 0.3452,
0.4511

 6.5036, 0.3510,
0.5595


 57.8385, 0.3429,
0.4378


 3.1536, 0.3565,
0.6435

 77.7133, 0.3408,
0.4270

 1.2125, 0.2860,
0.7140

 101.6877, 0.3389,
0.4181

 0.0718, 0.0000,
1.0000

 130.1459, 0.3372,
0.4107

 0.0000, 0.0000,
0.0000

 163.4725, 0.3357,

0.4044

202.0518, 0.3344,
0.3990

■ 18.9673, 0.3502,
0.4898

■ 18.9673, 0.3502,
0.4898

■ 18.5628, 0.3523,
0.5141

■ 19.4295, 0.3463,
0.4630

■ 18.2101, 0.3522,
0.5348

■ 19.9499, 0.3410,
0.4350

■ 17.9064, 0.3500,
0.5507

■ 20.5319, 0.3346,
0.4069

■ 17.6482, 0.3466,
0.5630

■ 21.1780, 0.3276,
0.3797

■ 21.8907, 0.3203,
0.3538

■ 22.6720, 0.3129,
0.3297

■ 23.5242, 0.3057,
0.3076

■ 24.4492, 0.2988,
0.2874

■ 25.4489, 0.2922,
0.2693

Harmonies

Analogous

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



18.9673, 0.4256, 0.4648



18.9673, 0.3502, 0.4898



18.9673, 0.2692, 0.4523

Triad

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



18.9673, 0.3502, 0.4898



18.9673, 0.1698, 0.2216



18.9673, 0.4268, 0.2878

Complementary

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



18.9673, 0.3502, 0.4898



6.1214, 0.2465, 0.1631

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.



18.9673, 0.3407, 0.2391



18.9673, 0.3502, 0.4898



18.9673, 0.1984, 0.2012

Square

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



18.9673, 0.3502, 0.4898



18.9673, 0.1711, 0.2755



18.9673, 0.2569, 0.2084



18.9673, 0.4784, 0.3468

Rectangle

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



18.9673, 0.3502, 0.4898



18.9673, 0.2230, 0.3952



18.9673, 0.2569, 0.2084



18.9673, 0.4001, 0.2700

Sweetspot

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



18.9681, 0.3502, 0.4898



38.1567, 0.3262, 0.3747



11.7670, 0.4455, 0.3934



8.8111, 0.3281, 0.3814



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.



18.9681, 0.3502, 0.4898



33.0196, 0.3525, 0.5215



17.3585, 0.3084, 0.5128



5.3231, 0.3194, 0.3509



17.3737, 0.3466, 0.5630



0.0645, 0.3787, 0.5375

Inverse Universe

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



6.1214, 0.2465, 0.1631



7.8787, 0.2278, 0.1291



8.5109, 0.3102, 0.1900



4.6380, 0.3055, 0.3070



2.5006, 0.1946, 0.0846



0.0129, 0.2440, 0.1118

Previews

White Background



This preview shows how the Yxy color 18.9673, 0.3502, 0.4898 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 18.9673, 0.3502, 0.4898 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 18.9673, 0.3502, 0.4898

Background



This preview shows how black text looks on a background with the Yxy color 18.9673, 0.3502, 0.4898.



This preview shows how white text looks on a background with the Yxy color 18.9673, 0.3502, 0.4898.

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

18.9673, 0.3502, 0.4898

Protanopia

18.7230, 0.4127, 0.4518

Deuteranopia

18.6259, 0.4305, 0.4227



Tritanopia

18.9852, 0.2835, 0.3097

Trichromacy



Original Color

18.9673, 0.3502, 0.4898

Protanomaly

18.6387, 0.3886, 0.4664

Deuteranomaly

18.3759, 0.4002, 0.4468

Tritanomaly

18.8047, 0.3094, 0.3741

Monochromacy



Original Color

18.9673, 0.3502, 0.4898

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.9960, 0.3301, 0.3900

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9673, 0.3502, 0.4898 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(96, 131, 52)` looks like.

```
.text, #text, p{  
    color:rgb(96, 131, 52)  
}
```

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(96, 131, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 131, 52) }
```

Border

The CSS property to change the border of an element to Yxy 18.9673, 0.3502, 0.4898 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(96, 131, 52) }
```

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

```
.border{ border-color:rgb(96, 131, 52) }
```

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

Here you see how a box with a 4 pixel rgb(96, 131, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 131, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 131, 52);  
box-shadow:4px 4px 4px 4px rgb(96, 131,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9673, 0.3502, 0.4898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 131, 52) }
```

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

```
.background{ background-color: rgb(96, 131,  
52) }
```

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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