

Converting Colors

$Y_{xy}(18.5973, 0.3928, 0.4278)$

Have a look what the booklet for
Yxy(18.5973, 0.3928, 0.4278)
contains.

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Color

Yxy(18.6516, 0.3916, 0.4281)

Conversions

Conversions Part 1

Format	Color
Hex	837842
RGB	131, 120, 66
RGB Percent	51%, 47%, 26%
CMY	0.4862, 0.5294, 0.7412
CMYK	0.00, 0.08, 0.50, 0.49
HSL	50°, 33%, 39%
HSV	50°, 50%, 51%
XYZ	17.0614, 18.6516, 7.8554
YIQ	117.1330, 23.8900, -14.4620

Conversions

Conversions Part 2

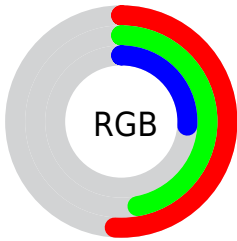
Format	Color
R_{YB}	79, 131, 66
Decimal	8616002
CIE Lab	50.28, -3.63, 31.01
CIE LCh	50, 31.223, 96.668
Yxy	18.6516, 0.3916, 0.4281
Android (android.graphics.Color)	4286806082 (0xFF837842)
YUV	117.1330, -25.2086, 12.1614
Hunter-Lab	43.1875, -5.0611, 19.4470

Details

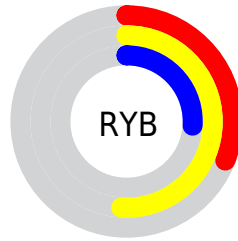
The Yxy color **18.6516, 0.3916, 0.4281** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.1073, 0.2268, 0.2043**, and the grayscale version is **17.9076, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.0571, 0.3746, 0.4063**, and **6.3907, 0.4188, 0.4653** is the 20% darker color. If you saturate the color by 10%, you get **17.9875, 0.4073, 0.4452**, and if you desaturate by 10%, it is **19.3652, 0.3752, 0.4090**.

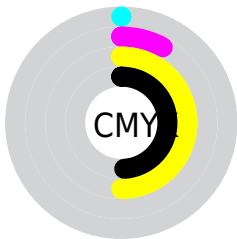
Distribution



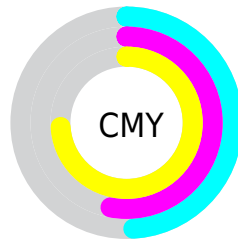
- Red (51%)
- Green (47%)
- Blue (26%)



- Red (31%)
- Yellow (51%)
- Blue (26%)



- Cyan (0%)
- Magenta (8%)
- Yellow (50%)
- Black (49%)



- Cyan (49%)
- Magenta (53%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.6516, 0.3916, 0.4281 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 18.6516, 0.3916, 0.4281 by changing the saturation by 10% instead.

■ 18.6516, 0.3916,
0.4281

■ 18.6516, 0.3916,
0.4281

■ 244.5186, 0.3477,
0.3718

■ 11.4188, 0.4035,
0.4442

■ 41.1446, 0.3747,
0.4060

■ 6.3493, 0.4187,
0.4655

■ 57.1735, 0.3686,
0.3982

■ 3.0586, 0.4483,
0.5060

■ 76.9033, 0.3636,
0.3918

■ 1.1624, 0.4630,
0.5370

■ 100.7183, 0.3594,
0.3864

■ 0.0307, 0.0000,
1.0000

■ 129.0029, 0.3558,
0.3819

■ 0.0000, 0.0000,
0.0000

162.1416, 0.3527,

0.3781

200.5187, 0.3500,
0.3747

■ 18.6516, 0.3916,
0.4281

■ 18.6516, 0.3916,
0.4281

■ 17.9875, 0.4073,
0.4452

■ 19.3652, 0.3752,
0.4090

■ 17.3679, 0.4215,
0.4594

■ 20.1279, 0.3586,
0.3888

■ 16.7906, 0.4338,
0.4699

■ 20.9429, 0.3424,
0.3682

■ 16.2524, 0.4435,
0.4762

■ 21.8121, 0.3268,
0.3479

■ 15.7439, 0.4514,
0.4794

■ 22.7372, 0.3122,
0.3283

■ 15.7249, 0.4517,
0.4796

■ 23.7202, 0.2986,
0.3097

■ 24.7625, 0.2862,
0.2923

■ 25.8659, 0.2748,
0.2761

■ 27.0318, 0.2646,
0.2612

Harmonies

Analogous

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



18.6516, 0.4254, 0.3942



18.6516, 0.3916, 0.4281



18.6516, 0.3383, 0.4358

Triad

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



18.6516, 0.3916, 0.4281



18.6516, 0.2101, 0.2911



18.6516, 0.3378, 0.2668

Complementary

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



18.6516, 0.3916, 0.4281



8.1073, 0.2268, 0.2043

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.



18.6516, 0.2787, 0.2426



18.6516, 0.3916, 0.4281



18.6516, 0.2100, 0.2523

Square

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



18.6516, 0.3916, 0.4281



18.6516, 0.2347, 0.3485



18.6516, 0.2337, 0.2367



18.6516, 0.3944, 0.3046

Rectangle

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



18.6516, 0.3916, 0.4281



18.6516, 0.2995, 0.4199



18.6516, 0.2337, 0.2367



18.6516, 0.3174, 0.2569

Sweetspot

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



18.6525, 0.3916, 0.4281



38.1501, 0.3356, 0.3595



9.2720, 0.4190, 0.3063



8.8174, 0.3384, 0.3631



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.



18.6525, 0.3916, 0.4281



32.0041, 0.4099, 0.4479



19.9716, 0.3563, 0.4565



5.2924, 0.3261, 0.3469



15.4790, 0.4517, 0.4796



0.0624, 0.4341, 0.4935

Inverse Universe

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



8.1073, 0.2268, 0.2043



10.7843, 0.2049, 0.1694



7.5423, 0.2491, 0.1891



4.6628, 0.2992, 0.3104



2.1880, 0.1552, 0.0786



0.0150, 0.1716, 0.1376

Previews

White Background



This preview shows how the Yxy color 18.6516, 0.3916, 0.4281 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 18.6516, 0.3916, 0.4281 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

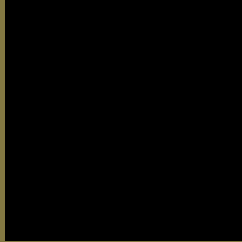
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.6516, 0.3916, 0.4281

Background



This preview shows how black text looks on a background with the Yxy color 18.6516, 0.3916, 0.4281.



This preview shows how white text looks on a background with the Yxy color 18.6516, 0.3916, 0.4281.

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

18.6516, 0.3916, 0.4281

Protanopia

18.7318, 0.3930, 0.4276

Deuteranopia

18.5509, 0.4166, 0.4092



Tritanopia

18.7581, 0.3330, 0.3148

Trichromacy



Original Color

18.6516, 0.3916, 0.4281

Protanomaly

18.7318, 0.3930, 0.4276

Deuteranomaly

18.5588, 0.4078, 0.4149

Tritanomaly

18.6010, 0.3555, 0.3549

Monochromacy



Original Color

18.6516, 0.3916, 0.4281

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.9763, 0.3422, 0.3681

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6516, 0.3916, 0.4281 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(131, 120, 66)` looks like.

```
.text, #text, p{  
    color:rgb(131, 120, 66)  
}
```

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(131, 120, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 120, 66) }
```

Border

The CSS property to change the border of an element to Yxy 18.6516, 0.3916, 0.4281 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(131, 120, 66) }
```

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

```
.border{ border-color:rgb(131, 120, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 120, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 120, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 120, 66);  
box-shadow:4px 4px 4px 4px rgb(131, 120,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6516, 0.3916, 0.4281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 120, 66) }
```

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

```
.background{ background-color: rgb(131,  
120, 66) }
```

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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