

Converting Colors

$Yxy(18.9256, 0.3092, 0.4407)$

Have a look what the booklet for
Yxy(18.9256, 0.3092, 0.4407)
contains.

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Color

Yxy(18.9356, 0.3096, 0.4406)

Conversions

Conversions Part 1

Format	Color
Hex	538451
RGB	83, 132, 81
RGB Percent	33%, 52%, 32%
CMY	0.6744, 0.4824, 0.6824
CMYK	0.37, 0.00, 0.39, 0.48
HSL	118°, 24%, 42%
HSV	118°, 39%, 52%
XYZ	13.3056, 18.9356, 10.7356
YIQ	111.5350, -12.8330, -26.2490

Conversions

Conversions Part 2

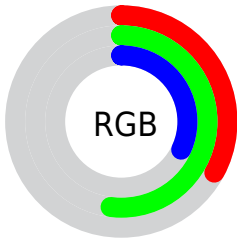
Format	Color
RYB	81, 132, 130
Decimal	5473361
CIELab	50.61, -27.50, 22.45
CIElCh	51, 35.502, 140.772
Yxy	18.9356, 0.3096, 0.4406
Android (android.graphics.Color)	4283663441 (0xFF538451)
YUV	111.5350, -15.0538, -25.0252
Hunter-Lab	43.5151, -21.5713, 15.8331

Details

The Yxy color $18.9356, 0.3096, 0.4406$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $12.2909, 0.3139, 0.2366$, and the grayscale version is $16.1099, 0.3127, 0.3290$.

A 20% lighter version of the original color is $41.4875, 0.3120, 0.4118$, and $6.4793, 0.3023, 0.4961$ is the 20% darker color. If you saturate the color by 10%, you get $18.2324, 0.3083, 0.4748$, and if you desaturate by 10%, it is $19.7843, 0.3107, 0.4078$.

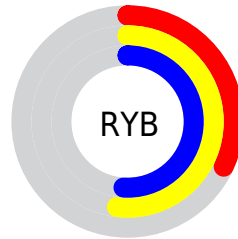
Distribution



Red (33%)

Green (52%)

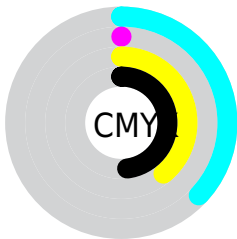
Blue (32%)



Red (32%)

Yellow (52%)

Blue (51%)

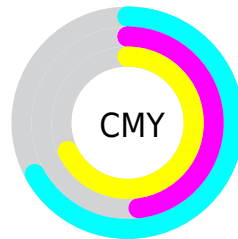


Cyan (37%)

Magenta (0%)

Yellow (39%)

Black (48%)



Cyan (67%)


Magenta (48%)

Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9356, 0.3096, 0.4406 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 18.9356, 0.3096, 0.4406 by changing the saturation by 10% instead.


 18.9356, 0.3096,
0.4406

 18.9356, 0.3096,
0.4406


246.0930, 0.3133,
0.3734


 11.6238, 0.3072,
0.4627

 41.6253, 0.3118,
0.4126

 6.4880, 0.3028,
0.4954


 57.7718, 0.3123,
0.4033


 3.1440, 0.2930,
0.5476

 77.6321, 0.3126,
0.3958

 1.2074, 0.2694,
0.7306

 101.5905, 0.3129,
0.3897

 0.0677, 0.0000,
1.0000

 130.0314, 0.3130,
0.3846

 0.0000, 0.0000,
0.0000

163.3392, 0.3131,

0.3803

201.8983, 0.3132,
0.3766

■ 18.9356, 0.3096,
0.4406

■ 18.9356, 0.3096,
0.4406

■ 18.2324, 0.3083,
0.4748

■ 19.7843, 0.3107,
0.4078

■ 17.6642, 0.3069,
0.5086

■ 20.7833, 0.3116,
0.3774

■ 17.2232, 0.3053,
0.5398


■ 21.9405, 0.3122,
0.3501


■ 16.8994, 0.3037,
0.5659


■ 23.2622, 0.3128,
0.3259

■ 16.6818, 0.3022,
0.5850


■ 24.7544, 0.3132,
0.3047


 16.5511, 0.3013,
0.5974

 26.4231, 0.3135,
0.2864

 16.5361, 0.3013,
0.5990

 28.2736, 0.3137,
0.2705

 30.3113, 0.3138,
0.2568

 32.5411, 0.3139,
0.2450

Harmonies

Analogous

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



18.9356, 0.3739, 0.4500



18.9356, 0.3096, 0.4406



18.9356, 0.2495, 0.3879

Triad

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



18.9356, 0.3096, 0.4406



18.9356, 0.2074, 0.2317



18.9356, 0.4273, 0.3238

Complementary

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



18.9356, 0.3096, 0.4406



12.2909, 0.3139, 0.2366

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.



18.9356, 0.3728, 0.2777



18.9356, 0.3096, 0.4406



18.9356, 0.2450, 0.2266

Square

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



18.9356, 0.3096, 0.4406



18.9356, 0.1950, 0.2619



18.9356, 0.3042, 0.2433



18.9356, 0.4461, 0.3745

Rectangle

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



18.9356, 0.3096, 0.4406



18.9356, 0.2197, 0.3409



18.9356, 0.3042, 0.2433



18.9356, 0.4123, 0.3076

Sweetspot

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



18.9364, 0.3096, 0.4406



37.8781, 0.3120, 0.3596



21.3178, 0.3698, 0.4170



8.7678, 0.3119, 0.3625



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.



18.9364, 0.3096, 0.4406



32.3015, 0.3085, 0.4692



19.2490, 0.2860, 0.3893



5.2130, 0.3122, 0.3514



16.0123, 0.3013, 0.5990



0.0560, 0.3072, 0.5943

Inverse Universe

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



12.2909, 0.3139, 0.2366



18.9253, 0.3139, 0.2179



11.8935, 0.3532, 0.2760



4.7536, 0.3131, 0.3075



5.9603, 0.3112, 0.1488



0.0214, 0.3164, 0.1517

Previews

White Background



This preview shows how the Yxy color 18.9356, 0.3096, 0.4406 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 18.9356, 0.3096, 0.4406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

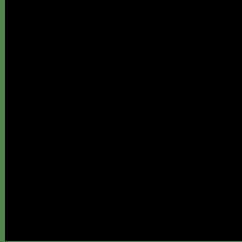
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9356, 0.3096, 0.4406

Background



This preview shows how black text looks on a background with the Yxy color 18.9356, 0.3096, 0.4406.



This preview shows how white text looks on a background with the Yxy color 18.9356, 0.3096, 0.4406.

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

18.9356, 0.3096, 0.4406

Protanopia

18.7800, 0.3803, 0.4109

Deuteranopia

18.7570, 0.3893, 0.3823



Tritanopia

18.7720, 0.2665, 0.3071

Trichromacy



Original Color

18.9356, 0.3096, 0.4406

Protanomaly

18.5428, 0.3525, 0.4211

Deuteranomaly

18.3798, 0.3566, 0.4015

Tritanomaly

18.8231, 0.2819, 0.3539

Monochromacy



Original Color

18.9356, 0.3096, 0.4406

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.8999, 0.3109, 0.3671

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9356, 0.3096, 0.4406 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(83, 132, 81)` looks like.

```
.text, #text, p{  
    color:rgb(83, 132, 81)  
}
```

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(83, 132, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 132, 81) }
```

Border

The CSS property to change the border of an element to Yxy 18.9356, 0.3096, 0.4406 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(83, 132, 81) }
```

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

```
.border{ border-color:rgb(83, 132, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 132, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 132, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 132, 81);  
box-shadow:4px 4px 4px 4px rgb(83, 132,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9356, 0.3096, 0.4406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 132, 81) }
```

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

```
.background{ background-color: rgb(83, 132,  
81) }
```

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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