

Converting Colors

$Y_{xy}(18.5923, 0.4138, 0.4290)$

Have a look what the booklet for
Yxy(18.5923, 0.4138, 0.4290)
contains.

Yxy(18.6138, 0.4143, 0.4293)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.6138, 0.4143, 0.4293)

Conversions

Conversions Part 1

Format	Color
Hex	8C753B
RGB	140, 117, 59
RGB Percent	55%, 46%, 23%
CMY	0.4510, 0.5411, 0.7687
CMYK	0.00, 0.16, 0.58, 0.45
HSL	43°, 41%, 39%
HSV	43°, 58%, 55%
XYZ	17.9634, 18.6138, 6.7813
YIQ	117.2650, 32.3260, -13.1620

Conversions

Conversions Part 2

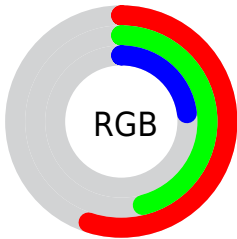
Format	Color
R _Y B	91, 140, 59
Decimal	9205051
CIE Lab	50.23, 1.45, 34.92
CIE LCh	50, 34.947, 87.617
Yxy	18.6138, 0.4143, 0.4293
Android (android.graphics.Color)	4287395131 (0xFF8C753B)
YUV	117.2650, -28.7246, 19.9386
Hunter-Lab	43.1437, -1.1808, 20.8815

Details

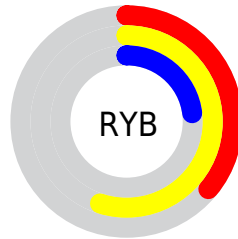
The Yxy color **18.6138, 0.4143, 0.4293** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.8501, 0.2150, 0.1993**, and the grayscale version is **17.9586, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.1944, 0.3930, 0.4083**, and **6.3066, 0.4487, 0.4625** is the 20% darker color. If you saturate the color by 10%, you get **17.5827, 0.4326, 0.4424**, and if you desaturate by 10%, it is **19.7249, 0.3953, 0.4136**.

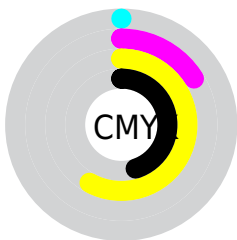
Distribution



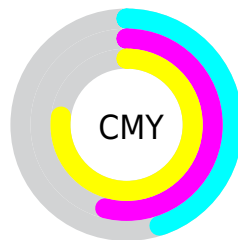
- Red (55%)
- Green (46%)
- Blue (23%)



- Red (36%)
- Yellow (55%)
- Blue (23%)



- Cyan (0%)
- Magenta (16%)
- Yellow (58%)
- Black (45%)





- Cyan (45%)
- Magenta (54%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6138, 0.4143, 0.4293 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 18.6138, 0.4143, 0.4293 by changing the saturation by 10% instead.


 18.6138, 0.4143,
0.4293


 18.6138, 0.4143,
0.4293


244.3083, 0.3577,
0.3739


 11.3916, 0.4295,
0.4439


 41.0805, 0.3926,
0.4083


 6.3308, 0.4488,
0.4620


 57.0937, 0.3847,
0.4006

 3.0473, 0.4942,
0.5058

 76.8061, 0.3782,
0.3942

 1.1565, 0.4969,
0.5031

 100.6019, 0.3728,
0.3888

 0.0257, 0.6997,
0.3003

 128.8657, 0.3682,
0.3843

 0.0000, 0.0000,
0.0000

 161.9817, 0.3642,

0.3803

200.3345, 0.3607,
0.3769

■ 18.6138, 0.4143,
0.4293

■ 18.6138, 0.4143,
0.4293

■ 17.5827, 0.4326,
0.4424

■ 19.7249, 0.3953,
0.4136

■ 16.6253, 0.4494,
0.4518

■ 20.9166, 0.3763,
0.3963

■ 15.7381, 0.4639,
0.4570

■ 22.1928, 0.3579,
0.3782

■ 14.9133, 0.4759,
0.4581

■ 23.5564, 0.3405,
0.3601

■ 14.7427, 0.4786,
0.4582

■ 25.0100, 0.3244,
0.3424

■ 26.5562, 0.3097,
0.3255

■ 28.1973, 0.2963,
0.3095

■ 29.9355, 0.2842,
0.2947

■ 31.7731, 0.2734,
0.2810

Harmonies

Analogous

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



18.6138, 0.4433, 0.3855



18.6138, 0.4143, 0.4293



18.6138, 0.3594, 0.4506

Triad

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



18.6138, 0.4143, 0.4293



18.6138, 0.2044, 0.3035



18.6138, 0.3197, 0.2504

Complementary

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



18.6138, 0.4143, 0.4293



8.8501, 0.2150, 0.1993

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.



18.6138, 0.2574, 0.2295



18.6138, 0.4143, 0.4293



18.6138, 0.1966, 0.2535

Square

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



18.6138, 0.4143, 0.4293



18.6138, 0.2389, 0.3717



18.6138, 0.2147, 0.2293



18.6138, 0.3867, 0.2878

Rectangle

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



18.6138, 0.4143, 0.4293



18.6138, 0.3165, 0.4425



18.6138, 0.2147, 0.2293



18.6138, 0.2974, 0.2413

Sweetspot

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



18.6147, 0.4143, 0.4293



41.6680, 0.3397, 0.3592



9.3291, 0.4281, 0.2863



9.5026, 0.3426, 0.3623



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



18.6147, 0.4143, 0.4293



30.5576, 0.4372, 0.4452



23.3356, 0.3730, 0.4719



5.6093, 0.3264, 0.3446



13.1374, 0.4782, 0.4585



0.1122, 0.4462, 0.4839

Inverse Universe

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



8.8501, 0.2150, 0.1993



11.7600, 0.1945, 0.1661



6.5224, 0.2230, 0.1579



5.1083, 0.2991, 0.3129



3.0436, 0.1612, 0.1004



0.0426, 0.1829, 0.1784

Previews

White Background



This preview shows how the Yxy color 18.6138, 0.4143, 0.4293 looks on a white background.

Color Contrast Check

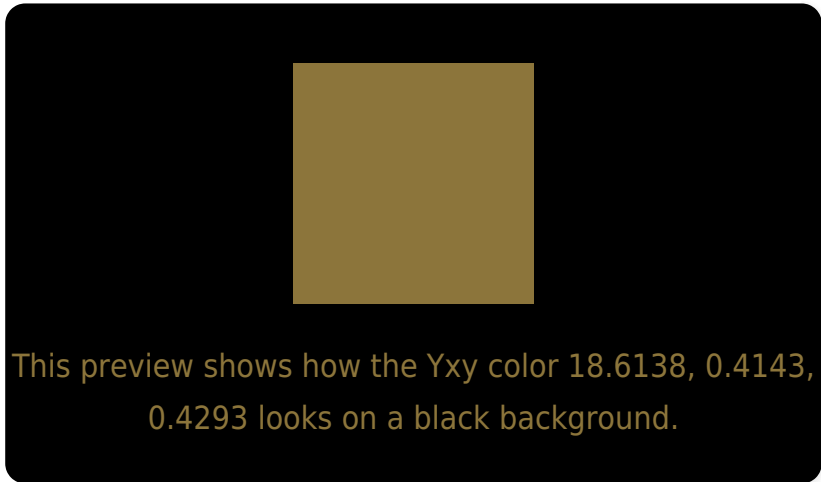
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

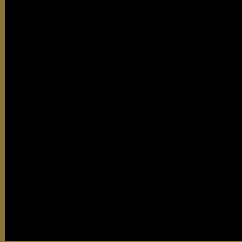
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.6138, 0.4143, 0.4293

Background



This preview shows how black text looks on a background with the Yxy color 18.6138, 0.4143, 0.4293.



This preview shows how white text looks on a background with the Yxy color 18.6138, 0.4143, 0.4293.

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

18.6138, 0.4143, 0.4293

Protanopia

18.6647, 0.3993, 0.4372

Deuteranopia

18.5639, 0.4259, 0.4191



Tritanopia

18.5035, 0.3487, 0.3135

Trichromacy



Original Color

18.6138, 0.4143, 0.4293

Protanomaly

18.6708, 0.4044, 0.4338

Deuteranomaly

18.5170, 0.4208, 0.4224

Tritanomaly

18.5130, 0.3746, 0.3576

Monochromacy



Original Color

18.6138, 0.4143, 0.4293

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.9271, 0.3491, 0.3697

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6138, 0.4143, 0.4293 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(140, 117, 59)` looks like.

```
.text, #text, p{  
    color:rgb(140, 117, 59)  
}
```

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(140, 117, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 117, 59) }
```

Border

The CSS property to change the border of an element to Yxy 18.6138, 0.4143, 0.4293 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(140, 117, 59) }
```

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

```
.border{ border-color:rgb(140, 117, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 117, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 117, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 117, 59);  
box-shadow:4px 4px 4px 4px rgb(140, 117,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6138, 0.4143, 0.4293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 117, 59) }
```

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

```
.background{ background-color: rgb(140,  
117, 59) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor