

Converting Colors

$Y_{xy}(18.6062, 0.4369, 0.4850)$

Have a look what the booklet for
Yxy(18.6062, 0.4369, 0.4850)
contains.

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Color

Yxy(18.6058, 0.4369, 0.4850)

Conversions

Conversions Part 1

Format	Color
Hex	87780A
RGB	135, 120, 10
RGB Percent	53%, 47%, 4%
CMY	0.4707, 0.5294, 0.9606
CMYK	0.00, 0.11, 0.93, 0.47
HSL	53°, 86%, 28%
HSV	53°, 93%, 53%
XYZ	16.7606, 18.6058, 2.9961
YIQ	111.9450, 44.2500, -31.0300

Conversions

Conversions Part 2

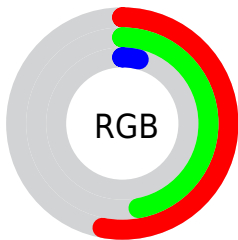
Format	Color
R_{YB}	27, 135, 10
Decimal	8878090
CIE _{Lab}	50.22, -5.06, 53.80
CIE _{LCh}	50, 54.034, 95.372
Yxy	18.6058, 0.4369, 0.4850
Android (android.graphics.Color)	4287068170 (0xFF87780A)
YUV	111.9450, -50.2589, 20.2192
Hunter-Lab	43.1344, -6.1263, 26.0758

Details

The Yxy color **18.6058, 0.4369, 0.4850** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.5092, 0.1589, 0.0823**, and the grayscale version is **16.3281, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.1412, 0.4160, 0.4556**, and **6.3841, 0.4384, 0.4901** is the 20% darker color. If you saturate the color by 10%, you get **18.2970, 0.4414, 0.4877**, and if you desaturate by 10%, it is **19.0410, 0.4296, 0.4794**.

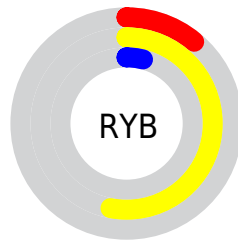
Distribution



Red (53%)

Green (47%)

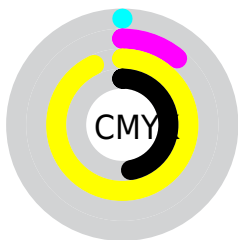
Blue (4%)



Red (11%)

Yellow (53%)

Blue (4%)

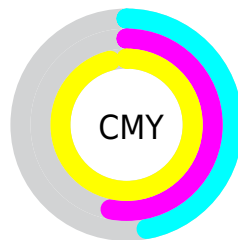


Cyan (0%)

Magenta (11%)

Yellow (93%)

Black (47%)



Cyan (47%)

Magenta (53%)

Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6058, 0.4369, 0.4850 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 18.6058, 0.4369, 0.4850 by changing the saturation by 10% instead.


 18.6058, 0.4369,
0.4850


 18.6058, 0.4369,
0.4850


244.2638, 0.3736,
0.4020


 11.3858, 0.4487,
0.5030


 41.0669, 0.4156,
0.4556

 6.3269, 0.4681,
0.5319


 57.0768, 0.4068,
0.4440


 3.0449, 0.4627,
0.5373

 76.7855, 0.3992,
0.4342

 1.1552, 0.4531,
0.5469

 100.5773, 0.3926,
0.4259


 0.0247, 0.0000,
1.0000

 128.8366, 0.3869,
0.4186


 0.0000, 0.0000,
0.0000


 161.9479, 0.3819,


0.4124

 200.2955, 0.3775,
0.4069


 18.6058, 0.4369,
0.4850


 18.6058, 0.4369,
0.4850


 18.2970, 0.4414,
0.4877

 19.0410, 0.4296,
0.4794

 19.5097, 0.4197,
0.4696

 20.0164, 0.4075,
0.4559

 20.5642, 0.3935,
0.4389

 21.1559, 0.3783,
0.4195

■ 21.7940, 0.3625,
0.3986

■ 22.4808, 0.3466,
0.3769

■ 23.2184, 0.3312,
0.3553

■ 24.0087, 0.3164,
0.3342

Harmonies

Analogous

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



18.6058, 0.4984, 0.4175



18.6058, 0.4369, 0.4850



18.6058, 0.3489, 0.5200

Triad

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



18.6058, 0.4369, 0.4850



18.6058, 0.1502, 0.2614



18.6058, 0.3479, 0.2273

Complementary

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



18.6058, 0.4369, 0.4850



2.5092, 0.1589, 0.0823

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.



18.6058, 0.2499, 0.1924



18.6058, 0.4369, 0.4850



18.6058, 0.1507, 0.2029

Square

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



18.6058, 0.4369, 0.4850



18.6058, 0.1849, 0.3639



18.6058, 0.1832, 0.1829



18.6058, 0.4500, 0.2820

Rectangle

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



18.6058, 0.4369, 0.4850



18.6058, 0.2863, 0.5007



18.6058, 0.1832, 0.1829



18.6058, 0.3127, 0.2131

Sweetspot

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



18.6067, 0.4369, 0.4850



39.5158, 0.3562, 0.3901



5.4449, 0.5961, 0.3154



9.0452, 0.3623, 0.3983



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



18.6067, 0.4369, 0.4850



32.6241, 0.4420, 0.4873



19.4761, 0.3600, 0.5456



5.3304, 0.3260, 0.3480



16.8907, 0.4414, 0.4878



0.0652, 0.4294, 0.4973

Inverse Universe

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



2.5092, 0.1589, 0.0823



3.6718, 0.1526, 0.0691



2.8032, 0.1905, 0.0875



4.6279, 0.2992, 0.3093



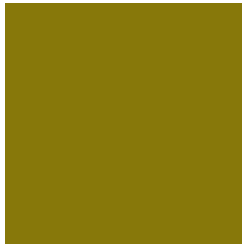
1.9713, 0.1533, 0.0717



0.0122, 0.1659, 0.1173

Previews

White Background



This preview shows how the Yxy color 18.6058, 0.4369, 0.4850 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 Xy color 18.6058, 0.4369, 0.4850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

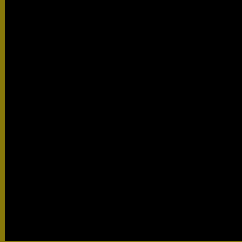
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.6058, 0.4369, 0.4850

Background



This preview shows how black text looks on a background with the Yxy color 18.6058, 0.4369, 0.4850.



This preview shows how white text looks on a background with the Yxy color 18.6058, 0.4369, 0.4850.

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

18.6058, 0.4369, 0.4850

Protanopia

18.6058, 0.4369, 0.4850

Deuteranopia

18.4332, 0.4653, 0.4568



Tritanopia

18.6952, 0.3428, 0.3150

Trichromacy



Original Color

18.6058, 0.4369, 0.4850

Protanomaly

18.6058, 0.4369, 0.4850

Deuteranomaly

18.5450, 0.4544, 0.4679

Tritanomaly

18.3296, 0.3901, 0.3923

Monochromacy



Original Color

18.6058, 0.4369, 0.4850

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.7625, 0.3694, 0.4088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6058, 0.4369, 0.4850 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(135, 120, 10)` looks like.

```
.text, #text, p{  
    color:rgb(135, 120, 10)  
}
```

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(135, 120, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 120, 10) }
```

Border

The CSS property to change the border of an element to Yxy 18.6058, 0.4369, 0.4850 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(135, 120, 10) }
```

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

```
.border{ border-color:rgb(135, 120, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 120, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 120, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 120, 10);  
box-shadow:4px 4px 4px 4px rgb(135, 120,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6058, 0.4369, 0.4850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 120, 10) }
```

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

```
.background{ background-color: rgb(135,  
120, 10) }
```

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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