

Converting Colors

$Y_{xy}(18.5678, 0.3715, 0.3882)$

Have a look what the booklet for
Yxy(18.5678, 0.3715, 0.3882)
contains.

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Color

Yxy(18.6153, 0.3722, 0.3886)

Conversions

Conversions Part 1

Format	Color
Hex	857656
RGB	133, 118, 86
RGB Percent	52%, 46%, 34%
CMY	0.4785, 0.5372, 0.6627
CMYK	0.00, 0.11, 0.35, 0.48
HSL	41°, 21%, 43%
HSV	41°, 35%, 52%
XYZ	17.8297, 18.6153, 11.4585
YIQ	118.8370, 19.2120, -6.7720

Conversions

Conversions Part 2

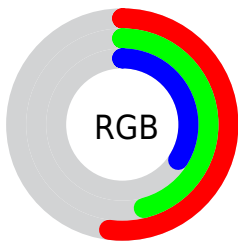
Format	Color
R_YB	108, 133, 86
Decimal	8746582
CIE _{Lab}	50.23, 0.73, 19.77
CIE _{LCh}	50, 19.785, 87.880
Yxy	18.6153, 0.3722, 0.3886
Android (android.graphics.Color)	4286936662 (0xFF857656)
YUV	118.8370, -16.1886, 12.4210
Hunter-Lab	43.1455, -1.7401, 14.4556

Details

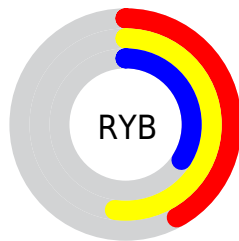
The Yxy color **18.6153, 0.3722, 0.3886** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **12.9764, 0.2559, 0.2610**, and the grayscale version is **18.4413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.0918, 0.3588, 0.3751**, and **6.3274, 0.3959, 0.4138** is the 20% darker color. If you saturate the color by 10%, you get **17.4449, 0.3917, 0.4054**, and if you desaturate by 10%, it is **19.8722, 0.3537, 0.3713**.

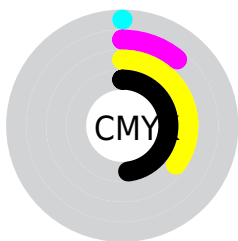
Distribution



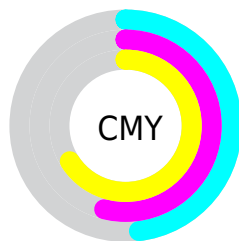
- Red (52%)
- Green (46%)
- Blue (34%)



- Red (42%)
- Yellow (52%)
- Blue (34%)



- Cyan (0%)
- Magenta (11%)
- Yellow (35%)
- Black (48%)





- Cyan (48%)
- Magenta (54%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6153, 0.3722, 0.3886 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 18.6153, 0.3722, 0.3886 by changing the saturation by 10% instead.


 18.6153, 0.3722,
0.3886

 18.6153, 0.3722,
0.3886


244.3167, 0.3382,
0.3546


 11.3926, 0.3824,
0.3987


 41.0830, 0.3587,
0.3751

 6.3316, 0.3965,
0.4126


 57.0969, 0.3539,
0.3704


 3.0477, 0.4170,
0.4326

 76.8099, 0.3501,
0.3666

 1.1567, 0.4921,
0.5079

 100.6065, 0.3469,
0.3634

 0.0259, 0.6212,
0.3788

 128.8711, 0.3442,
0.3607

 0.0000, 0.0000,
0.0000

161.9881, 0.3419,

0.3584

200.3418, 0.3399,
0.3564

■ 18.6153, 0.3722,
0.3886

■ 18.6153, 0.3722,
0.3886

■ 17.4449, 0.3917,
0.4054

■ 19.8722, 0.3537,
0.3713

■ 16.3556, 0.4116,
0.4209

■ 21.2157, 0.3364,
0.3541

■ 15.3453, 0.4314,
0.4341

■ 22.6491, 0.3206,
0.3375

■ 14.4107, 0.4500,
0.4441

■ 24.1746, 0.3062,
0.3217

■ 13.5480, 0.4666,
0.4499

■ 25.7947, 0.2932,
0.3069

■ 12.7519, 0.4806,
0.4513

■ 27.5113, 0.2816,
0.2932

■ 12.3969, 0.4871,
0.4514

■ 29.3266, 0.2712,
0.2805

■ 31.2424, 0.2620,
0.2688

■ 33.2608, 0.2537,
0.2581

Harmonies

Analogous

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



18.6153, 0.3872, 0.3655



18.6153, 0.3722, 0.3886



18.6153, 0.3414, 0.3965

Triad

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



18.6153, 0.3722, 0.3886



18.6153, 0.2487, 0.3163



18.6153, 0.3180, 0.2820

Complementary

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



18.6153, 0.3722, 0.3886



12.9764, 0.2559, 0.2610

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.



18.6153, 0.2815, 0.2691



18.6153, 0.3722, 0.3886



18.6153, 0.2433, 0.2864

Square

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



18.6153, 0.3722, 0.3886



18.6153, 0.2704, 0.3528



18.6153, 0.2548, 0.2702



18.6153, 0.3551, 0.3056

Rectangle

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



18.6153, 0.3722, 0.3886



18.6153, 0.3165, 0.3902



18.6153, 0.2548, 0.2702



18.6153, 0.3053, 0.2763

Sweetspot

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



18.6162, 0.3722, 0.3886



39.0281, 0.3298, 0.3473



12.5948, 0.3655, 0.2993



8.7285, 0.3316, 0.3492



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.



18.6162, 0.3722, 0.3886



31.7310, 0.3870, 0.4015



21.8154, 0.3539, 0.4163



5.1793, 0.3264, 0.3437



11.8255, 0.4869, 0.4516



0.0542, 0.4505, 0.4805

Inverse Universe

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



12.9764, 0.2559, 0.2610



20.1381, 0.2426, 0.2433



10.7207, 0.2615, 0.2306



4.7691, 0.2992, 0.3138



3.2313, 0.1637, 0.1092



0.0232, 0.1860, 0.1896

Previews

White Background



This preview shows how the Yxy color 18.6153, 0.3722, 0.3886 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 18.6153, 0.3722, 0.3886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

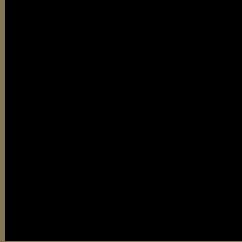
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.6153, 0.3722, 0.3886

Background



This preview shows how black text looks on a background with the Yxy color 18.6153, 0.3722, 0.3886.

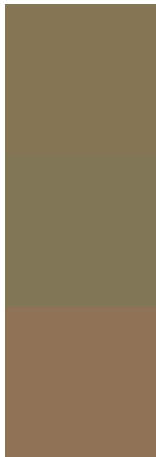


This preview shows how white text looks on a background with the Yxy color 18.6153, 0.3722, 0.3886.

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

18.6153, 0.3722, 0.3886

Protanopia

18.5489, 0.3649, 0.3897

Deuteranopia

18.7004, 0.3853, 0.3791



Tritanopia

18.5338, 0.3333, 0.3130

Trichromacy



Original Color

18.6153, 0.3722, 0.3886

Protanomaly

18.6276, 0.3663, 0.3894

Deuteranomaly

18.6679, 0.3805, 0.3816

Tritanomaly

18.5998, 0.3482, 0.3400

Monochromacy



Original Color

18.6153, 0.3722, 0.3886

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.5403, 0.3335, 0.3520

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6153, 0.3722, 0.3886 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(133, 118, 86)` looks like.

```
.text, #text, p{  
    color:rgb(133, 118, 86)  
}
```

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(133, 118, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 118, 86) }
```

Border

The CSS property to change the border of an element to Yxy 18.6153, 0.3722, 0.3886 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(133, 118, 86) }
```

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

```
.border{ border-color:rgb(133, 118, 86) }
```

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

Here you see how a box with a 4 pixel rgb(133, 118, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 118, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 118, 86);  
box-shadow:4px 4px 4px 4px rgb(133, 118,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6153, 0.3722, 0.3886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 118, 86) }
```

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

```
.background{ background-color: rgb(133,  
118, 86) }
```

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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