

Converting Colors

$Y_{xy}(18.7221, 0.3677, 0.3938)$

Have a look what the booklet for
Yxy(18.7221, 0.3677, 0.3938)
contains.

Yxy(18.8346, 0.3682, 0.3948)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.8346, 0.3682, 0.3948)

Conversions

Conversions Part 1

Format	Color
Hex	827855
RGB	130, 120, 85
RGB Percent	51%, 47%, 33%
CMY	0.4901, 0.5294, 0.6666
CMYK	0.00, 0.08, 0.35, 0.49
HSL	47°, 21%, 42%
HSV	47°, 35%, 51%
XYZ	17.5656, 18.8346, 11.3065
YIQ	119.0000, 17.1950, -8.7650

Conversions

Conversions Part 2

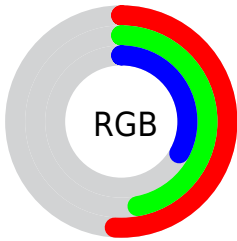
Format	Color
RYB	98, 130, 85
Decimal	8550485
CIELab	50.49, -1.81, 20.64
CIElCh	50, 20.717, 94.999
Yxy	18.8346, 0.3682, 0.3948
Android (android.graphics.Color)	4286740565 (0xFF827855)
YUV	119.0000, -16.7620, 9.6470
Hunter-Lab	43.3988, -3.7004, 14.9327

Details

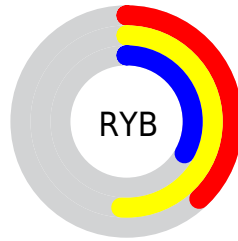
The Yxy color **18.8346, 0.3682, 0.3948** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **11.7374, 0.2560, 0.2531**, and the grayscale version is **18.4994, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4447, 0.3561, 0.3795**, and **6.4867, 0.3907, 0.4230** is the 20% darker color. If you saturate the color by 10%, you get **17.9607, 0.3857, 0.4136**, and if you desaturate by 10%, it is **19.7693, 0.3511, 0.3754**.

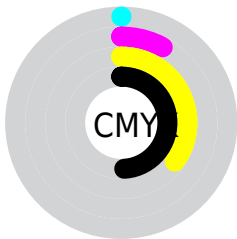
Distribution



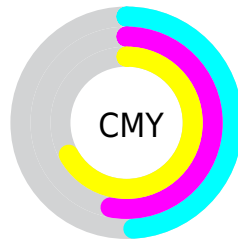
- Red (51%)
- Green (47%)
- Blue (33%)



- Red (38%)
- Yellow (51%)
- Blue (33%)



- Cyan (0%)
- Magenta (8%)
- Yellow (35%)
- Black (49%)





- Cyan (49%)
- Magenta (53%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8346, 0.3682, 0.3948 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 18.8346, 0.3682, 0.3948 by changing the saturation by 10% instead.


 18.8346, 0.3682,
0.3948


 18.8346, 0.3682,
0.3948


245.5341, 0.3367,
0.3571


 11.5508, 0.3775,
0.4061


 41.4544, 0.3557,
0.3798


 6.4386, 0.3902,
0.4218


 57.5593, 0.3514,
0.3745


 3.1136, 0.4083,
0.4447

 77.3732, 0.3478,
0.3703

 1.1913, 0.4754,
0.5246

 101.2808, 0.3448,
0.3667

 0.0546, 0.1253,
0.8747

 129.6662, 0.3423,
0.3638

 0.0000, 0.0000,
0.0000

162.9140, 0.3402,

0.3612

201.4085, 0.3383,
0.3590

■ 18.8346, 0.3682,
0.3948

■ 18.8346, 0.3682,
0.3948

■ 17.9607, 0.3857,
0.4136

■ 19.7693, 0.3511,
0.3754

■ 17.1428, 0.4032,
0.4309

■ 20.7643, 0.3347,
0.3561

■ 16.3793, 0.4198,
0.4459

■ 21.8225, 0.3194,
0.3374

■ 15.6674, 0.4349,
0.4576

■ 22.9457, 0.3053,
0.3195

■ 15.0040, 0.4479,
0.4654

■ 24.1357, 0.2923,
0.3027

■ 14.3849, 0.4582,
0.4689

■ 25.3943, 0.2806,
0.2870

■ 14.0637, 0.4636,
0.4701

■ 26.7229, 0.2700,
0.2726

■ 28.1231, 0.2604,
0.2593

■ 29.5965, 0.2518,
0.2471

Harmonies

Analogous

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



18.8346, 0.3886, 0.3736



18.8346, 0.3682, 0.3948



18.8346, 0.3334, 0.3983

Triad

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



18.8346, 0.3682, 0.3948



18.8346, 0.2431, 0.3072



18.8346, 0.3278, 0.2851

Complementary

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



18.8346, 0.3682, 0.3948



11.7374, 0.2560, 0.2531

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.



18.8346, 0.2885, 0.2687



18.8346, 0.3682, 0.3948



18.8346, 0.2418, 0.2792

Square

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



18.8346, 0.3682, 0.3948



18.8346, 0.2619, 0.3447



18.8346, 0.2578, 0.2661



18.8346, 0.3649, 0.3116

Rectangle

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



18.8346, 0.3682, 0.3948



18.8346, 0.3073, 0.3883



18.8346, 0.2578, 0.2661



18.8346, 0.3143, 0.2783

Sweetspot

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



18.8355, 0.3682, 0.3948



37.3551, 0.3278, 0.3478



12.0828, 0.3716, 0.3087



8.4062, 0.3297, 0.3500



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



18.8355, 0.3682, 0.3948



31.8655, 0.3828, 0.4105



20.4820, 0.3474, 0.4160



4.8619, 0.3261, 0.3457



13.4890, 0.4635, 0.4702



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.7374, 0.2560, 0.2531



17.3068, 0.2407, 0.2310



10.6539, 0.2689, 0.2346



4.3553, 0.2993, 0.3118



2.3960, 0.1578, 0.0882



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.8346, 0.3682, 0.3948 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 18.8346, 0.3682, 0.3948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

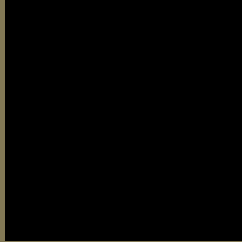
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8346, 0.3682, 0.3948

Background



This preview shows how black text looks on a background with the Yxy color 18.8346, 0.3682, 0.3948.



This preview shows how white text looks on a background with the Yxy color 18.8346, 0.3682, 0.3948.

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

18.8346, 0.3682, 0.3948

Protanopia

18.8346, 0.3682, 0.3948

Deuteranopia

18.7730, 0.3880, 0.3806



Tritanopia

18.7850, 0.3264, 0.3128

Trichromacy



Original Color

18.8346, 0.3682, 0.3948

Protanomaly

18.8346, 0.3682, 0.3948

Deuteranomaly

18.7977, 0.3797, 0.3854

Tritanomaly

18.8349, 0.3422, 0.3420

Monochromacy



Original Color

18.8346, 0.3682, 0.3948

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.4661, 0.3322, 0.3521

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8346, 0.3682, 0.3948 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(130, 120, 85)` looks like.

```
.text, #text, p{  
    color:rgb(130, 120, 85)  
}
```

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(130, 120, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 120, 85) }
```

Border

The CSS property to change the border of an element to Yxy 18.8346, 0.3682, 0.3948 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(130, 120, 85) }
```

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

```
.border{ border-color:rgb(130, 120, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 120, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 120, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 120, 85);  
box-shadow:4px 4px 4px 4px rgb(130, 120,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8346, 0.3682, 0.3948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 120, 85) }
```

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

```
.background{ background-color: rgb(130,  
120, 85) }
```

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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