

Converting Colors

$Y_{xy}(18.7566, 0.3464, 0.3337)$

Have a look what the booklet for
Yxy(18.7566, 0.3464, 0.3337)
contains.

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Color

Yxy(18.8346, 0.3470, 0.3345)

Conversions

Conversions Part 1

Format	Color
Hex	8A7370
RGB	138, 115, 112
RGB Percent	54%, 45%, 44%
CMY	0.4588, 0.5490, 0.5608
CMYK	0.00, 0.17, 0.19, 0.46
HSL	7°, 10%, 49%
HSV	7°, 19%, 54%
XYZ	19.5384, 18.8346, 17.9337
YIQ	121.5350, 14.6710, 3.9430

Conversions

Conversions Part 2

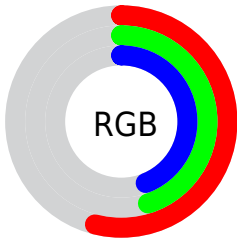
Format	Color
R_{YB}	138, 115, 112
Decimal	9073520
CIE Lab	50.49, 8.48, 5.01
CIE LCh	50, 9.852, 30.583
Yxy	18.8346, 0.3470, 0.3345
Android (android.graphics.Color)	4287263600 (0xFF8A7370)
YUV	121.5350, -4.7008, 14.4398
Hunter-Lab	43.3988, 4.4138, 5.8788

Details

The Yxy color $18.8346, 0.3470, 0.3345$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $22.6124, 0.2852, 0.3234$, and the grayscale version is $19.3156, 0.3127, 0.3290$.

A 20% lighter version of the original color is $41.5242, 0.3389, 0.3330$, and $6.4592, 0.3634, 0.3374$ is the 20% darker color. If you saturate the color by 10%, you get $15.9486, 0.3711, 0.3377$, and if you desaturate by 10%, it is $22.1383, 0.3272, 0.3315$.

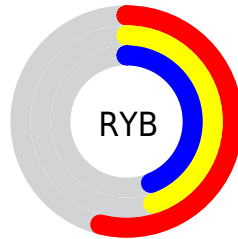
Distribution



Red (54%)

Green (45%)

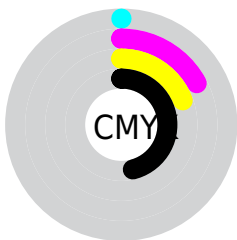
Blue (44%)



Red (54%)

Yellow (45%)

Blue (44%)

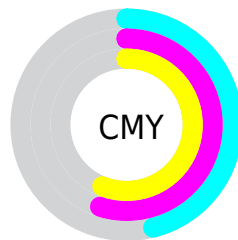


Cyan (0%)

Magenta (17%)

Yellow (19%)

Black (46%)



Cyan (46%)


Magenta (55%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8346, 0.3470, 0.3345 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, 0.3470, 0.3345 by changing the saturation by 10% instead.


 18.8346, 0.3470,
0.3345


 18.8346, 0.3470,
0.3345


245.5341, 0.3272,
0.3316


 11.5508, 0.3532,
0.3353


 41.4544, 0.3390,
0.3334


 6.4386, 0.3620,
0.3363


 57.5593, 0.3362,
0.3330

 3.1136, 0.3757,
0.3377

 77.3732, 0.3340,
0.3326

 1.1913, 0.4000,
0.3395

 101.2808, 0.3322,
0.3324

 0.0546, 0.8259,
0.1741

129.6662, 0.3306,
0.3321

 0.0000, 0.0000,
0.0000

162.9140, 0.3293,

0.3319

201.4085, 0.3282,
0.3317

■ 18.8346, 0.3470,
0.3345

■ 18.8346, 0.3470,
0.3345

■ 15.9486, 0.3711,
0.3377

■ 22.1383, 0.3272,
0.3315

■ 13.4612, 0.4001,
0.3408

■ 25.8728, 0.3110,
0.3287

■ 11.3557, 0.4346,
0.3437

■ 30.0536, 0.2977,
0.3261

■ 9.6130, 0.4740,
0.3459

■ 34.6950, 0.2867,
0.3238

■ 8.2126, 0.5169,
0.3469

■ 39.8103, 0.2776,
0.3217

■ 7.1318, 0.5595,
0.3462

■ 45.4125, 0.2700,
0.3198

■ 6.3452, 0.5966,
0.3433

■ 51.5140, 0.2637,
0.3180

■ 5.8190, 0.6248,
0.3399

■ 58.1267, 0.2583,
0.3165

■ 5.7729, 0.6278,
0.3397

■ 65.2624, 0.2537,
0.3150

Harmonies

Analogous

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



18.8346, 0.3352, 0.3187



18.8346, 0.3470, 0.3345



18.8346, 0.3493, 0.3495

Triad

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



18.8346, 0.3470, 0.3345



18.8346, 0.3072, 0.3541



18.8346, 0.2844, 0.2989

Complementary

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



18.8346, 0.3470, 0.3345



22.6124, 0.2852, 0.3234

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, 0.2774, 0.3072



18.8346, 0.3470, 0.3345



18.8346, 0.2903, 0.3393

Square

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



18.8346, 0.3470, 0.3345



18.8346, 0.3259, 0.3615



18.8346, 0.2796, 0.3219



18.8346, 0.2989, 0.2985

Rectangle

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



18.8346, 0.3470, 0.3345



18.8346, 0.3451, 0.3570



18.8346, 0.2796, 0.3219



18.8346, 0.2811, 0.3008

Sweetspot

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



18.8355, 0.3470, 0.3345



40.7289, 0.3225, 0.3307



18.7533, 0.3180, 0.2883



9.0585, 0.3234, 0.3309



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.



18.8355, 0.3470, 0.3345



30.7428, 0.3576, 0.3360



21.9110, 0.3431, 0.3567



5.1355, 0.3278, 0.3316



5.3040, 0.6274, 0.3401



0.0457, 0.5803, 0.3775

Inverse Universe

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



22.6124, 0.2852, 0.3234



38.7719, 0.2787, 0.3219



19.2987, 0.2839, 0.2997



5.5918, 0.2991, 0.3264



14.4766, 0.2148, 0.2933



0.1091, 0.2201, 0.3122

Previews

White Background



This preview shows how the Yxy color 18.8346, 0.3470, 0.3345 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, 0.3470, 0.3345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

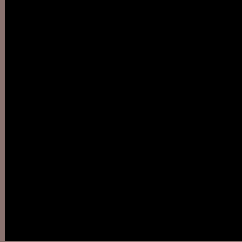
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8346, 0.3470, 0.3345

Background



This preview shows how black text looks on a background with the Yxy color 18.8346, 0.3470, 0.3345.



This preview shows how white text looks on a background with the Yxy color 18.8346, 0.3470, 0.3345.

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, 0.3470, 0.3345

Protanopia

18.9558, 0.3236, 0.3385

Deuteranopia

18.8115, 0.3426, 0.3364



Tritanopia

18.7044, 0.3359, 0.3131

Trichromacy



Original Color

18.8346, 0.3470, 0.3345

Protanomaly

18.8389, 0.3317, 0.3365

Deuteranomaly

18.8949, 0.3440, 0.3364

Tritanomaly

18.8316, 0.3408, 0.3220

Monochromacy



Original Color

18.8346, 0.3470, 0.3345

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.0909, 0.3253, 0.3309

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8346, 0.3470, 0.3345 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(138, 115, 112)` looks like.

```
.text, #text, p{  
    color:rgb(138, 115, 112)  
}
```

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(138, 115, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 115, 112) }
```

Border

The CSS property to change the border of an element to Yxy 18.8346, 0.3470, 0.3345 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(138, 115, 112) }
```

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

```
.border{ border-color:rgb(138, 115, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 115, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 115, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 115, 112);  
box-shadow:4px 4px 4px 4px rgb(138, 115,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8346, 0.3470, 0.3345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 115, 112) }
```

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

```
.background{ background-color: rgb(138,  
115, 112) }
```

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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