

Converting Colors

$Y_{xy}(18.1460, 0.3372, 0.3201)$

Have a look what the booklet for
Yxy(18.1460, 0.3372, 0.3201)
contains.

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Color

Yxy(18.0236, 0.3373, 0.3200)

Conversions

Conversions Part 1

Format	Color
Hex	877075
RGB	135, 112, 117
RGB Percent	53%, 44%, 46%
CMY	0.4705, 0.5608, 0.5412
CMYK	0.00, 0.17, 0.13, 0.47
HSL	347°, 9%, 48%
HSV	347°, 17%, 53%
XYZ	18.9980, 18.0236, 19.3021
YIQ	119.4470, 12.1030, 6.4310

Conversions

Conversions Part 2

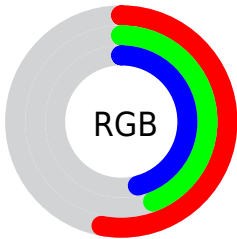
Format	Color
R_{YB}	135, 112, 117
Decimal	8876149
CIE _{Lab}	49.52, 9.91, 0.62
CIE _{LCh}	50, 9.929, 3.593
Yxy	18.0236, 0.3373, 0.3200
Android (android.graphics.Color)	4287066229 (0xFF877075)
YUV	119.4470, -1.2064, 13.6400
Hunter-Lab	42.4542, 5.5828, 2.7613

Details

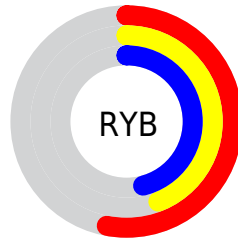
The Yxy color **18.0236, 0.3373, 0.3200** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **22.3901, 0.2927, 0.3382**, and the grayscale version is **18.5986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1069, 0.3310, 0.3224**, and **6.0278, 0.3479, 0.3152** is the 20% darker color. If you saturate the color by 10%, you get **15.0301, 0.3562, 0.3144**, and if you desaturate by 10%, it is **21.4936, 0.3219, 0.3254**.

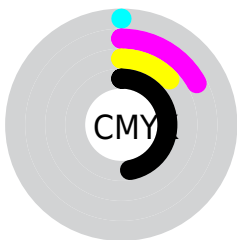
Distribution



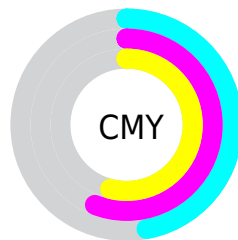
- Red (53%)
- Green (44%)
- Blue (46%)



- Red (53%)
- Yellow (44%)
- Blue (46%)



- Cyan (0%)
- Magenta (17%)
- Yellow (13%)
- Black (47%)




- Cyan (47%)
- Magenta (56%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.0236, 0.3373, 0.3200 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 18.0236, 0.3373, 0.3200 by changing the saturation by 10% instead.


 18.0236, 0.3373,
0.3200


 18.0236, 0.3373,
0.3200


241.0040, 0.3231,
0.3253


 10.9669, 0.3417,
0.3183


 40.0775, 0.3315,
0.3221


 6.0446, 0.3481,
0.3160

 55.8436, 0.3296,
0.3229

 2.8722, 0.3581,
0.3122

 75.2816, 0.3280,
0.3235

 1.0654, 0.3760,
0.3054

 98.7759, 0.3266,
0.3239

 0.0000, 1.0000,
0.0000

126.7109, 0.3255,
0.3243

 0.0000, 0.0000,
0.0000

159.4710, 0.3246,

0.3247

197.4405, 0.3238,
0.3250

■ 18.0236, 0.3373,
0.3200

■ 18.0236, 0.3373,
0.3200

■ 15.0301, 0.3562,
0.3144

■ 21.4936, 0.3219,
0.3254

■ 12.4900, 0.3793,
0.3087

■ 25.4573, 0.3093,
0.3305

■ 10.3817, 0.4070,
0.3033

■ 29.9337, 0.2990,
0.3351

■ 8.6812, 0.4395,
0.2989

■ 34.9403, 0.2906,
0.3394

■ 7.3617, 0.4762,
0.2961

■ 40.4938, 0.2836,
0.3432

■ 6.3936, 0.5154,
0.2959

■ 46.6100, 0.2779,
0.3468

■ 5.7425, 0.5538,
0.2990

■ 53.3042, 0.2731,
0.3500

■ 5.3451, 0.5878,
0.3049

■ 60.5910, 0.2691,
0.3529

■ 5.2423, 0.5972,
0.3063

■ 68.4846, 0.2658,
0.3556

Harmonies

Analogous

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



18.0236, 0.3195, 0.3063



18.0236, 0.3373, 0.3200



18.0236, 0.3485, 0.3362

Triad

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



18.0236, 0.3373, 0.3200



18.0236, 0.3243, 0.3619



18.0236, 0.2770, 0.3055

Complementary

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



18.0236, 0.3373, 0.3200



22.3901, 0.2927, 0.3382

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.



18.0236, 0.2782, 0.3200



18.0236, 0.3373, 0.3200



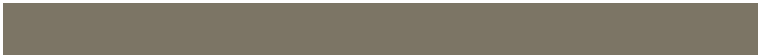
18.0236, 0.3052, 0.3534

Square

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



18.0236, 0.3373, 0.3200



18.0236, 0.3408, 0.3609



18.0236, 0.2884, 0.3377



18.0236, 0.2849, 0.2978

Rectangle

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



18.0236, 0.3373, 0.3200



18.0236, 0.3505, 0.3466



18.0236, 0.2884, 0.3377



18.0236, 0.2763, 0.3097

Sweetspot

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



18.0244, 0.3373, 0.3200



39.7844, 0.3192, 0.3264



18.0860, 0.3083, 0.2877



9.1173, 0.3200, 0.3261



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.



18.0244, 0.3373, 0.3200



30.3536, 0.3433, 0.3181



19.4020, 0.3419, 0.3409



4.7040, 0.3248, 0.3243



4.8344, 0.5963, 0.3059



0.0177, 0.4989, 0.2522

Inverse Universe

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



18.0244, 0.3373, 0.3200



30.3536, 0.3433, 0.3181



20.7624, 0.2874, 0.3168



4.7040, 0.3248, 0.3243



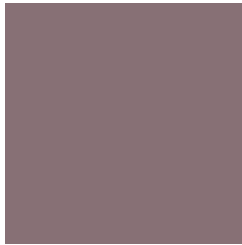
4.8344, 0.5963, 0.3059



0.0177, 0.4989, 0.2522

Previews

White Background



This preview shows how the Yxy color 18.0236, 0.3373, 0.3200 looks on a white background.

Color Contrast Check

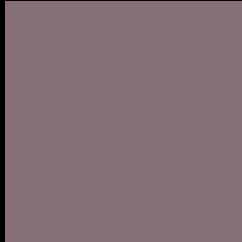
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 18.0236, 0.3373, 0.3200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

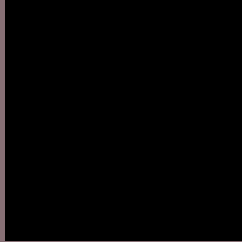
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0236, 0.3373, 0.3200

Background



This preview shows how black text looks on a background with the Yxy color 18.0236, 0.3373, 0.3200.



This preview shows how white text looks on a background with the Yxy color 18.0236, 0.3373, 0.3200.

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

18.0236, 0.3373, 0.3200

Protanopia

18.0006, 0.3117, 0.3232

Deuteranopia

18.0648, 0.3301, 0.3235



Tritanopia

17.8758, 0.3336, 0.3128

Trichromacy



Original Color

18.0236, 0.3373, 0.3200

Protanomaly

17.9534, 0.3209, 0.3215

Deuteranomaly

18.0001, 0.3330, 0.3217

Tritanomaly

17.8517, 0.3349, 0.3145

Monochromacy



Original Color

18.0236, 0.3373, 0.3200

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.1588, 0.3219, 0.3253

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0236, 0.3373, 0.3200 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, 112, 117)` looks like.

```
.text, #text, p{  
    color:rgb(135, 112, 117)  
}
```

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, 112, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 112, 117) }
```

Border

The CSS property to change the border of an element to Yxy 18.0236, 0.3373, 0.3200 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, 112, 117) }
```

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

```
.border{ border-color:rgb(135, 112, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 112, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 112, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 112, 117);  
box-shadow:4px 4px 4px 4px rgb(135, 112,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0236, 0.3373, 0.3200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 112, 117) }
```

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

```
.background{ background-color: rgb(135,  
112, 117) }
```

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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