

Converting Colors

$Y_{xy}(17.8766, 0.3546, 0.3424)$

Have a look what the booklet for
Yxy(17.8766, 0.3546, 0.3424)
contains.

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Color

Yxy(17.8425, 0.3545, 0.3420)

Conversions

Conversions Part 1

Format	Color
Hex	887069
RGB	136, 112, 105
RGB Percent	53%, 44%, 41%
CMY	0.4668, 0.5607, 0.5882
CMYK	0.00, 0.18, 0.23, 0.47
HSL	14°, 13%, 47%
HSV	14°, 23%, 53%
XYZ	18.4946, 17.8425, 15.8339
YIQ	118.3780, 16.5510, 2.9110

Conversions

Conversions Part 2

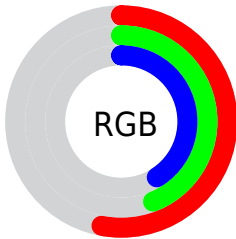
Format	Color
R _Y B	136, 114, 105
Decimal	8941673
CIE Lab	49.30, 8.25, 7.42
CIE LCh	49, 11.099, 41.959
Yxy	17.8425, 0.3545, 0.3420
Android (android.graphics.Color)	4287131753 (0xFF887069)
YUV	118.3780, -6.5954, 15.4545
Hunter-Lab	42.2404, 4.2342, 7.3433

Details

The Yxy color **17.8425, 0.3545, 0.3420** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.4722, 0.2792, 0.3156**, and the grayscale version is **18.2585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.8984, 0.3450, 0.3398**, and **5.9507, 0.3742, 0.3460** is the 20% darker color. If you saturate the color by 10%, you get **15.3978, 0.3788, 0.3481**, and if you desaturate by 10%, it is **20.6048, 0.3340, 0.3361**.

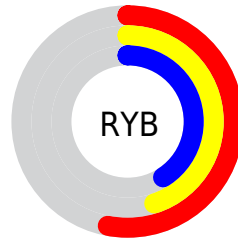
Distribution



Red (53%)

Green (44%)

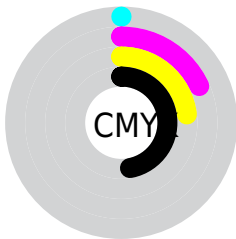
Blue (41%)



Red (53%)

Yellow (45%)

Blue (41%)

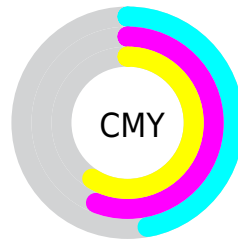


Cyan (0%)

Magenta (18%)

Yellow (23%)

Black (47%)



Cyan (47%)


Magenta (56%)


Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.8425, 0.3545, 0.3420 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 17.8425, 0.3545, 0.3420 by changing the saturation by 10% instead.


 17.8425, 0.3545,
0.3420


 17.8425, 0.3545,
0.3420


239.9818, 0.3301,
0.3348


 10.8370, 0.3622,
0.3441


 39.7688, 0.3446,
0.3392


 5.9573, 0.3732,
0.3468

 55.4583, 0.3412,
0.3382

 2.8191, 0.3906,
0.3508

 74.8113, 0.3385,
0.3374

 1.0381, 0.4280,
0.3618

 98.2121, 0.3362,
0.3367

 0.0000, 1.0000,
0.0000

126.0452, 0.3343,
0.3361

 0.0000, 0.0000,
0.0000

158.6949, 0.3327,

0.3356

196.5456, 0.3313,
0.3352

■ 17.8425, 0.3545,
0.3420

■ 17.8425, 0.3545,
0.3420

■ 15.3978, 0.3788,
0.3481

■ 20.6048, 0.3340,
0.3361

■ 13.2569, 0.4075,
0.3541

■ 23.6932, 0.3170,
0.3305

■ 11.4085, 0.4406,
0.3595

■ 27.1188, 0.3027,
0.3253

■ 9.8396, 0.4775,
0.3635

■ 30.8913, 0.2907,
0.3205

■ 8.5363, 0.5165,
0.3653

■ 35.0203, 0.2806,
0.3162

■ 7.4833, 0.5545,
0.3639

■ 39.5149, 0.2721,
0.3123

■ 6.6639, 0.5876,
0.3589

■ 44.3837, 0.2649,
0.3087

■ 6.2006, 0.6087,
0.3549

■ 49.6352, 0.2587,
0.3054

■ 55.2777, 0.2534,
0.3025

Harmonies

Analogous

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



17.8425, 0.3448, 0.3238



17.8425, 0.3545, 0.3420



17.8425, 0.3525, 0.3576

Triad

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



17.8425, 0.3545, 0.3420



17.8425, 0.2985, 0.3522



17.8425, 0.2857, 0.2933

Complementary

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



17.8425, 0.3545, 0.3420



20.4722, 0.2792, 0.3156

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.



17.8425, 0.2742, 0.2993



17.8425, 0.3545, 0.3420



17.8425, 0.2814, 0.3332

Square

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



17.8425, 0.3545, 0.3420



17.8425, 0.3197, 0.3645



17.8425, 0.2727, 0.3137



17.8425, 0.3046, 0.2964

Rectangle

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



17.8425, 0.3545, 0.3420



17.8425, 0.3449, 0.3644



17.8425, 0.2727, 0.3137



17.8425, 0.2809, 0.2943

Sweetspot

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



17.8433, 0.3545, 0.3420



39.3171, 0.3240, 0.3329



16.9279, 0.3239, 0.2858



9.0453, 0.3249, 0.3331



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.



17.8433, 0.3545, 0.3420



29.3163, 0.3657, 0.3449



21.4831, 0.3488, 0.3689



5.2204, 0.3275, 0.3340



5.8831, 0.6083, 0.3552



0.0580, 0.5397, 0.4097

Inverse Universe

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



20.4722, 0.2792, 0.3156



34.7382, 0.2724, 0.3124



16.7649, 0.2771, 0.2857



5.4999, 0.2991, 0.3239



11.3016, 0.2046, 0.2565



0.0968, 0.2151, 0.2943

Previews

White Background



This preview shows how the Yxy color 17.8425, 0.3545, 0.3420 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 17.8425, 0.3545, 0.3420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

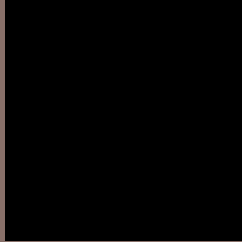
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.8425, 0.3545, 0.3420

Background



This preview shows how black text looks on a background with the Yxy color 17.8425, 0.3545, 0.3420.

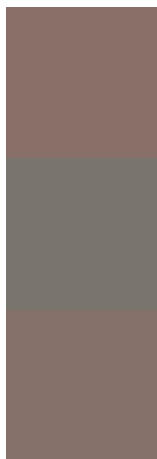


This preview shows how white text looks on a background with the Yxy color 17.8425, 0.3545, 0.3420.

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

17.8425, 0.3545, 0.3420

Protanopia

17.9429, 0.3301, 0.3465

Deuteranopia

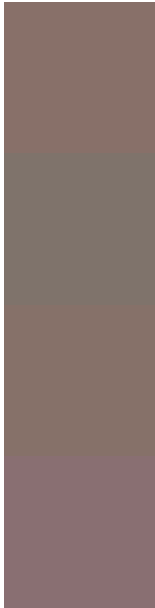
17.8167, 0.3500, 0.3440



Tritanopia

17.8870, 0.3392, 0.3129

Trichromacy



Original Color

17.8425, 0.3545, 0.3420

Protanomaly

17.8350, 0.3386, 0.3443

Deuteranomaly

17.8985, 0.3514, 0.3439

Tritanomaly

17.9021, 0.3442, 0.3237

Monochromacy



Original Color

17.8425, 0.3545, 0.3420

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.0430, 0.3281, 0.3348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8425, 0.3545, 0.3420 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(136, 112, 105)` looks like.

```
.text, #text, p{  
    color:rgb(136, 112, 105)  
}
```

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(136, 112, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 112, 105) }
```

Border

The CSS property to change the border of an element to Yxy 17.8425, 0.3545, 0.3420 is called "border". The border property can be set on classes, ids or directly on the HTML element.

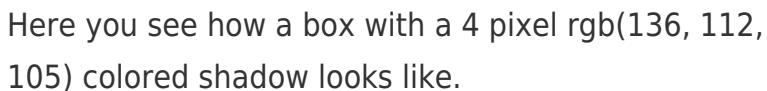
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(136, 112, 105) }
```

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

```
.border{ border-color:rgb(136, 112, 105) }
```

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



Here you see how a box with a 4 pixel `rgb(136, 112, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 112, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 112, 105);  
box-shadow:4px 4px 4px 4px rgb(136, 112,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8425, 0.3545, 0.3420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 112, 105) }
```

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

```
.background{ background-color: rgb(136,  
112, 105) }
```

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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