

Converting Colors

$Y_{xy}(17.6006, 0.3640, 0.3633)$

Have a look what the booklet for
Yxy(17.6006, 0.3640, 0.3633)
contains.

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Color

Yxy(17.6230, 0.3633, 0.3629)

Conversions

Conversions Part 1

Format	Color
Hex	85715F
RGB	133, 113, 95
RGB Percent	52%, 44%, 37%
CMY	0.4785, 0.5568, 0.6275
CMYK	0.00, 0.15, 0.29, 0.48
HSL	28°, 17%, 45%
HSV	28°, 29%, 52%
XYZ	17.6424, 17.6230, 13.2962
YIQ	116.9280, 17.6980, -1.3580

Conversions

Conversions Part 2

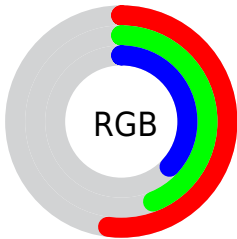
Format	Color
RYB	133, 129, 95
Decimal	8745311
CIELab	49.04, 4.89, 12.91
CIElCh	49, 13.802, 69.241
Yxy	17.6230, 0.3633, 0.3629
Android (android.graphics.Color)	4286935391 (0xFF85715F)
YUV	116.9280, -10.8105, 14.0951
Hunter-Lab	41.9798, 1.5519, 10.6070

Details

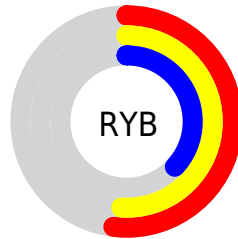
The Yxy color **17.6230, 0.3633, 0.3629** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.3825, 0.2692, 0.2925**, and the grayscale version is **17.7957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.5194, 0.3521, 0.3562**, and **5.8413, 0.3861, 0.3752** is the 20% darker color. If you saturate the color by 10%, you get **15.9010, 0.3856, 0.3753**, and if you desaturate by 10%, it is **19.5082, 0.3434, 0.3506**.

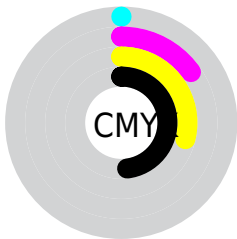
Distribution



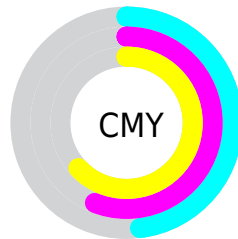
- Red (52%)
- Green (44%)
- Blue (37%)



- Red (52%)
- Yellow (51%)
- Blue (37%)



- Cyan (0%)
- Magenta (15%)
- Yellow (29%)
- Black (48%)





- Cyan (48%)
- Magenta (56%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.6230, 0.3633, 0.3629 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 17.6230, 0.3633, 0.3629 by changing the saturation by 10% instead.


 17.6230, 0.3633,
0.3629


 17.6230, 0.3633,
0.3629


238.7374, 0.3338,
0.3436


 10.6797, 0.3725,
0.3686


 39.3939, 0.3514,
0.3553


 5.8519, 0.3857,
0.3766

 54.9902, 0.3473,
0.3526

 2.7552, 0.4061,
0.3883

 74.2396, 0.3440,
0.3504

 1.0053, 0.4779,
0.4402

 97.5266, 0.3412,
0.3486

 0.0000, 1.0000,
0.0000

125.2354, 0.3389,
0.3471

 0.0000, 0.0000,
0.0000

157.7506, 0.3370,

0.3458

195.4565, 0.3353,
0.3446

■ 17.6230, 0.3633,
0.3629

■ 17.6230, 0.3633,
0.3629

■ 15.9010, 0.3856,
0.3753

■ 19.5082, 0.3434,
0.3506

■ 14.3351, 0.4103,
0.3872

■ 21.5588, 0.3260,
0.3387

■ 12.9209, 0.4369,
0.3977

■ 23.7799, 0.3107,
0.3274

■ 11.6530, 0.4646,
0.4059

■ 26.1757, 0.2973,
0.3170

■ 10.5256, 0.4920,
0.4106

■ 28.7503, 0.2857,
0.3073

■ 9.5323, 0.5176,
0.4106

■ 31.5074, 0.2756,
0.2983

■ 8.6618, 0.5408,
0.4067

■ 34.4509, 0.2668,
0.2902

■ 8.5460, 0.5442,
0.4061

■ 37.5843, 0.2590,
0.2827

■ 40.9113, 0.2522,
0.2758

Harmonies

Analogous

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



17.6230, 0.3645, 0.3428



17.6230, 0.3633, 0.3629



17.6230, 0.3481, 0.3750

Triad

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



17.6230, 0.3633, 0.3629



17.6230, 0.2753, 0.3363



17.6230, 0.3001, 0.2879

Complementary

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



17.6230, 0.3633, 0.3629



16.3825, 0.2692, 0.2925

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.



17.6230, 0.2773, 0.2850



17.6230, 0.3633, 0.3629



17.6230, 0.2636, 0.3116

Square

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



17.6230, 0.3633, 0.3629



17.6230, 0.2971, 0.3600



17.6230, 0.2643, 0.2931



17.6230, 0.3271, 0.3007

Rectangle

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



17.6230, 0.3633, 0.3629



17.6230, 0.3324, 0.3762



17.6230, 0.2643, 0.2931



17.6230, 0.2917, 0.2858

Sweetspot

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



17.6238, 0.3633, 0.3629



38.3710, 0.3270, 0.3394



14.4128, 0.3410, 0.2913



8.5370, 0.3291, 0.3409



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.



17.6238, 0.3633, 0.3629



29.6177, 0.3768, 0.3706



22.2406, 0.3546, 0.3953



5.0258, 0.3269, 0.3393



8.1570, 0.5439, 0.4064



0.0427, 0.4812, 0.4561

Inverse Universe

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



16.3825, 0.2692, 0.2925



27.0292, 0.2595, 0.2832



12.5389, 0.2652, 0.2527



4.9197, 0.2992, 0.3185



5.7959, 0.1809, 0.1712



0.0347, 0.2014, 0.2450

Previews

White Background



This preview shows how the Yxy color 17.6230, 0.3633, 0.3629 looks on a white background.

Color Contrast Check

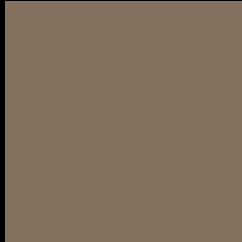
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.6230, 0.3633, 0.3629 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 17.6230, 0.3633, 0.3629

Background



This preview shows how black text looks on a background with the Yxy color 17.6230, 0.3633, 0.3629.



This preview shows how white text looks on a background with the Yxy color 17.6230, 0.3633, 0.3629.

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

17.6230, 0.3633, 0.3629

Protanopia

17.5648, 0.3455, 0.3662

Deuteranopia

17.5655, 0.3666, 0.3607



Tritanopia

17.6941, 0.3378, 0.3146

Trichromacy



Original Color

17.6230, 0.3633, 0.3629

Protanomaly

17.6180, 0.3527, 0.3656

Deuteranomaly

17.4829, 0.3652, 0.3609

Tritanomaly

17.6456, 0.3468, 0.3309

Monochromacy



Original Color

17.6230, 0.3633, 0.3629

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.8059, 0.3304, 0.3426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6230, 0.3633, 0.3629 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, 113, 95)` looks like.

```
.text, #text, p{  
    color:rgb(133, 113, 95)  
}
```

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, 113, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 113, 95) }
```

Border

The CSS property to change the border of an element to Yxy 17.6230, 0.3633, 0.3629 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, 113, 95) }
```

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

```
.border{ border-color:rgb(133, 113, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 113, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 113, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 113, 95);  
box-shadow:4px 4px 4px 4px rgb(133, 113,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6230, 0.3633, 0.3629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 113, 95) }
```

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

```
.background{ background-color: rgb(133,  
113, 95) }
```

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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