

Converting Colors

$Y_{xy}(18.7785, 0.3733, 0.3784)$

Have a look what the booklet for
Yxy(18.7785, 0.3733, 0.3784)
contains.

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Color

Yxy(18.7791, 0.3733, 0.3784)

Conversions

Conversions Part 1

Format	Color
Hex	89755A
RGB	137, 117, 90
RGB Percent	54%, 46%, 35%
CMY	0.4627, 0.5412, 0.6470
CMYK	0.00, 0.15, 0.34, 0.46
HSL	34°, 21%, 45%
HSV	34°, 34%, 54%
XYZ	18.5260, 18.7791, 12.3225
YIQ	119.9020, 20.5870, -4.1570

Conversions

Conversions Part 2

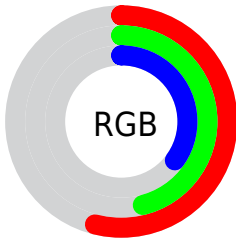
Format	Color
RYB	125, 137, 90
Decimal	9008474
CIELab	50.43, 3.58, 17.79
CIElCh	50, 18.145, 78.636
Yxy	18.7791, 0.3733, 0.3784
Android (android.graphics.Color)	4287198554 (0xFF89755A)
YUV	119.9020, -14.7417, 14.9949
Hunter-Lab	43.3349, 0.4742, 13.4749

Details

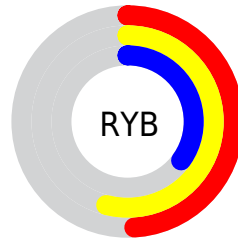
The Yxy color **18.7791, 0.3733, 0.3784** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **15.1397, 0.2589, 0.2738**, and the grayscale version is **18.7936, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3457, 0.3594, 0.3678**, and **6.4165, 0.3983, 0.3980** is the 20% darker color. If you saturate the color by 10%, you get **17.2498, 0.3950, 0.3930**, and if you desaturate by 10%, it is **20.4379, 0.3534, 0.3635**.

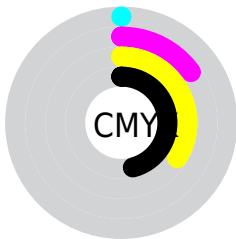
Distribution



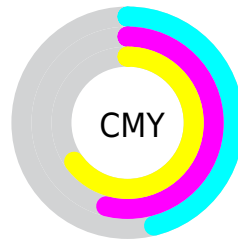
- Red (54%)
- Green (46%)
- Blue (35%)



- Red (49%)
- Yellow (54%)
- Blue (35%)



- Cyan (0%)
- Magenta (15%)
- Yellow (34%)
- Black (46%)





- Cyan (46%)
- Magenta (54%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.7791, 0.3733, 0.3784 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 18.7791, 0.3733, 0.3784 by changing the saturation by 10% instead.


 18.7791, 0.3733,
0.3784


 18.7791, 0.3733,
0.3784


245.2265, 0.3385,
0.3505


 11.5108, 0.3838,
0.3865


 41.3605, 0.3594,
0.3674


 6.4115, 0.3986,
0.3977


 57.4424, 0.3545,
0.3636

 3.0969, 0.4206,
0.4136

 77.2308, 0.3506,
0.3604

 1.1825, 0.5077,
0.4869

 101.1103, 0.3474,
0.3578

 0.0474, 0.7364,
0.2636

 129.4653, 0.3446,
0.3555

 0.0000, 0.0000,
0.0000

162.6800, 0.3423,

0.3536

201.1390, 0.3402,
0.3520

■ 18.7791, 0.3733,
0.3784

■ 18.7791, 0.3733,
0.3784

■ 17.2498, 0.3950,
0.3930

■ 20.4379, 0.3534,
0.3635

■ 15.8436, 0.4179,
0.4065

■ 22.2274, 0.3353,
0.3489

■ 14.5572, 0.4416,
0.4179

■ 24.1519, 0.3191,
0.3348

■ 13.3860, 0.4648,
0.4263

■ 26.2147, 0.3048,
0.3216

■ 12.3250, 0.4866,
0.4304

■ 28.4191, 0.2920,
0.3092

■ 11.3684, 0.5056,
0.4296

■ 30.7681, 0.2808,
0.2977

■ 10.8628, 0.5162,
0.4283

■ 33.2646, 0.2709,
0.2872

■ 35.9115, 0.2622,
0.2775

■ 38.7116, 0.2544,
0.2687

Harmonies

Analogous

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



18.7791, 0.3812, 0.3546



18.7791, 0.3733, 0.3784



18.7791, 0.3489, 0.3903

Triad

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



18.7791, 0.3733, 0.3784



18.7791, 0.2586, 0.3276



18.7791, 0.3069, 0.2809

Complementary

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



18.7791, 0.3733, 0.3784



15.1397, 0.2589, 0.2738

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.



18.7791, 0.2753, 0.2728



18.7791, 0.3733, 0.3784



18.7791, 0.2487, 0.2975

Square

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



18.7791, 0.3733, 0.3784



18.7791, 0.2826, 0.3605



18.7791, 0.2546, 0.2782



18.7791, 0.3417, 0.3000

Rectangle

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



18.7791, 0.3733, 0.3784



18.7791, 0.3271, 0.3884



18.7791, 0.2546, 0.2782



18.7791, 0.2955, 0.2768

Sweetspot

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



18.7800, 0.3733, 0.3784



41.1720, 0.3285, 0.3430



13.7678, 0.3561, 0.2916



9.1421, 0.3304, 0.3448



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.



18.7800, 0.3733, 0.3784



31.5199, 0.3896, 0.3895



23.6946, 0.3586, 0.4123



5.4939, 0.3267, 0.3415



10.1394, 0.5158, 0.4286



0.0965, 0.4649, 0.4690

Inverse Universe

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



15.1397, 0.2589, 0.2738



24.0029, 0.2464, 0.2591



11.4548, 0.2573, 0.2320



5.2197, 0.2991, 0.3161



4.5576, 0.1719, 0.1388



0.0583, 0.1945, 0.2203

Previews

White Background



This preview shows how the Yxy color 18.7791, 0.3733, 0.3784 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 18.7791, 0.3733, 0.3784 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 18.7791, 0.3733, 0.3784

Background



This preview shows how black text looks on a background with the Yxy color 18.7791, 0.3733, 0.3784.



This preview shows how white text looks on a background with the Yxy color 18.7791, 0.3733, 0.3784.

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

18.7791, 0.3733, 0.3784

Protanopia

18.7775, 0.3581, 0.3841

Deuteranopia

18.7504, 0.3814, 0.3738



Tritanopia

18.7908, 0.3372, 0.3132

Trichromacy



Original Color

18.7791, 0.3733, 0.3784

Protanomaly

18.7743, 0.3627, 0.3816

Deuteranomaly

18.8044, 0.3780, 0.3760

Tritanomaly

18.6494, 0.3513, 0.3363

Monochromacy



Original Color

18.7791, 0.3733, 0.3784

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.7334, 0.3337, 0.3480

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7791, 0.3733, 0.3784 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(137, 117, 90)` looks like.

```
.text, #text, p{  
    color:rgb(137, 117, 90)  
}
```

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(137, 117, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 117, 90) }
```

Border

The CSS property to change the border of an element to Yxy 18.7791, 0.3733, 0.3784 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(137, 117, 90) }
```

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

```
.border{ border-color:rgb(137, 117, 90) }
```

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

Here you see how a box with a 4 pixel rgb(137, 117, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 117, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 117, 90);  
box-shadow:4px 4px 4px 4px rgb(137, 117,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7791, 0.3733, 0.3784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 117, 90) }
```

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

```
.background{ background-color: rgb(137,  
117, 90) }
```

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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