

Converting Colors

$Y_{xy}(18.6789, 0.3953, 0.3835)$

Have a look what the booklet for
Yxy(18.6789, 0.3953, 0.3835)
contains.

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Color

Yxy(18.6789, 0.3953, 0.3835)

Conversions

Conversions Part 1

Format	Color
Hex	917253
RGB	145, 114, 83
RGB Percent	57%, 45%, 33%
CMY	0.4314, 0.5529, 0.6745
CMYK	0.00, 0.21, 0.43, 0.43
HSL	30°, 27%, 45%
HSV	30°, 43%, 57%
XYZ	19.2536, 18.6789, 10.7739
YIQ	119.7350, 28.4270, -3.0690

Conversions

Conversions Part 2

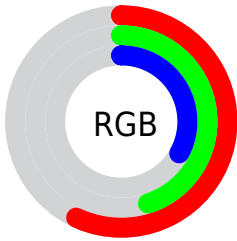
Format	Color
R_{YB}	145, 145, 83
Decimal	9531987
CIE Lab	50.31, 7.83, 21.82
CIE LCh	50, 23.184, 70.255
Yxy	18.6789, 0.3953, 0.3835
Android (android.graphics.Color)	4287722067 (0xFF917253)
YUV	119.7350, -18.1104, 22.1574
Hunter-Lab	43.2191, 3.8864, 15.4733

Details

The Yxy color **18.6789, 0.3953, 0.3835** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.9115, 0.2462, 0.2666**, and the grayscale version is **18.7455, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2453, 0.3760, 0.3720**, and **6.3572, 0.4309, 0.4031** is the 20% darker color. If you saturate the color by 10%, you get **16.9083, 0.4204, 0.3956**, and if you desaturate by 10%, it is **20.6276, 0.3722, 0.3705**.

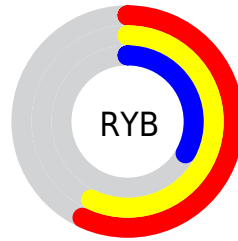
Distribution



Red (57%)

Green (45%)

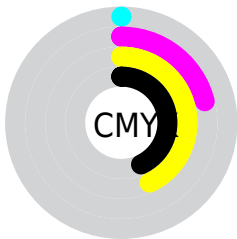
Blue (33%)



Red (57%)

Yellow (57%)

Blue (33%)

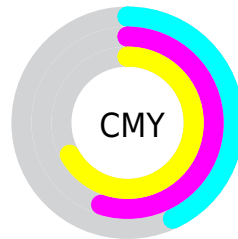


Cyan (0%)

Magenta (21%)

Yellow (43%)

Black (43%)



Cyan (43%)


Magenta (55%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6789, 0.3953, 0.3835 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 18.6789, 0.3953, 0.3835 by changing the saturation by 10% instead.


 18.6789, 0.3953,
0.3835


 18.6789, 0.3953,
0.3835


244.6703, 0.3478,
0.3535


 11.4385, 0.4095,
0.3917


 41.1908, 0.3763,
0.3720


 6.3626, 0.4294,
0.4025


 57.2311, 0.3698,
0.3678


 3.0668, 0.4583,
0.4165

 76.9735, 0.3644,
0.3644

 1.1667, 0.5373,
0.4627

 100.8023, 0.3599,
0.3615

 0.0343, 0.8672,
0.1328

 129.1020, 0.3562,
0.3590

 0.0000, 0.0000,
0.0000

162.2570, 0.3530,

0.3569

200.6516, 0.3502,
0.3551

■ 18.6789, 0.3953,
0.3835

■ 18.6789, 0.3953,
0.3835

■ 16.9083, 0.4204,
0.3956

■ 20.6276, 0.3722,
0.3705

■ 15.3073, 0.4468,
0.4059

■ 22.7572, 0.3515,
0.3574

■ 13.8703, 0.4736,
0.4131

■ 25.0741, 0.3331,
0.3445

■ 12.5903, 0.4993,
0.4163

■ 27.5831, 0.3168,
0.3322

■ 11.4597, 0.5222,
0.4144

■ 30.2892, 0.3026,
0.3207

■ 10.7225, 0.5378,
0.4112

■ 33.1969, 0.2902,
0.3101

■ 36.3107, 0.2793,
0.3002

■ 39.6348, 0.2699,
0.2912

■ 43.1735, 0.2616,
0.2829

Harmonies

Analogous

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



18.6789, 0.3990, 0.3506



18.6789, 0.3953, 0.3835



18.6789, 0.3686, 0.4051

Triad

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



18.6789, 0.3953, 0.3835



18.6789, 0.2509, 0.3388



18.6789, 0.2927, 0.2642

Complementary

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



18.6789, 0.3953, 0.3835



15.9115, 0.2462, 0.2666

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.



18.6789, 0.2563, 0.2583



18.6789, 0.3953, 0.3835



18.6789, 0.2335, 0.2976

Square

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



18.6789, 0.3953, 0.3835



18.6789, 0.2849, 0.3804



18.6789, 0.2355, 0.2693



18.6789, 0.3373, 0.2846

Rectangle

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



18.6789, 0.3953, 0.3835



18.6789, 0.3423, 0.4082



18.6789, 0.2355, 0.2693



18.6789, 0.2792, 0.2605

Sweetspot

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



18.6798, 0.3953, 0.3835



44.6911, 0.3340, 0.3452



13.4195, 0.3649, 0.2750



9.7515, 0.3375, 0.3477



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.6798, 0.3953, 0.3835



30.4962, 0.4186, 0.3948



26.8889, 0.3744, 0.4310



5.8419, 0.3270, 0.3400



9.2511, 0.5369, 0.4119



0.1324, 0.4766, 0.4598

Inverse Universe

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



15.9115, 0.2462, 0.2666



24.8786, 0.2319, 0.2500



10.0692, 0.2357, 0.2016



5.6723, 0.2990, 0.3177



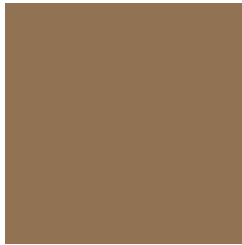
5.8317, 0.1783, 0.1619



0.0997, 0.1997, 0.2388

Previews

White Background



This preview shows how the Yxy color 18.6789, 0.3953, 0.3835 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 18.6789, 0.3953, 0.3835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

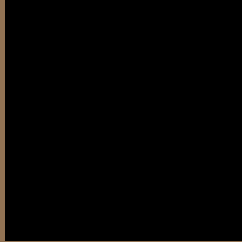
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.6789, 0.3953, 0.3835

Background



This preview shows how black text looks on a background with the Yxy color 18.6789, 0.3953, 0.3835.



This preview shows how white text looks on a background with the Yxy color 18.6789, 0.3953, 0.3835.

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

18.6789, 0.3953, 0.3835

Protanopia

18.7559, 0.3668, 0.3952

Deuteranopia

18.7256, 0.3918, 0.3858



Tritanopia

18.5412, 0.3545, 0.3137

Trichromacy



Original Color

18.6789, 0.3953, 0.3835

Protanomaly

18.7479, 0.3775, 0.3916

Deuteranomaly

18.8153, 0.3932, 0.3855

Tritanomaly

18.5918, 0.3702, 0.3396

Monochromacy



Original Color

18.6789, 0.3953, 0.3835

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.6855, 0.3404, 0.3497

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6789, 0.3953, 0.3835 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(145, 114, 83)` looks like.

```
.text, #text, p{  
    color:rgb(145, 114, 83)  
}
```

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(145, 114, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 114, 83) }
```

Border

The CSS property to change the border of an element to Yxy 18.6789, 0.3953, 0.3835 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(145, 114, 83) }
```

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

```
.border{ border-color:rgb(145, 114, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 114, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 114, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 114, 83);  
box-shadow:4px 4px 4px 4px rgb(145, 114,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6789, 0.3953, 0.3835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 114, 83) }
```

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

```
.background{ background-color: rgb(145,  
114, 83) }
```

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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