

Converting Colors

$Y_{xy}(19.9352, 0.3579, 0.3940)$

Have a look what the booklet for
Yxy(19.9352, 0.3579, 0.3940)
contains.

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Color

Yxy(20.0725, 0.3583, 0.3944)

Conversions

Conversions Part 1

Format	Color
Hex	817D5A
RGB	129, 125, 90
RGB Percent	51%, 49%, 35%
CMY	0.4940, 0.5098, 0.6471
CMYK	0.00, 0.03, 0.30, 0.49
HSL	54°, 18%, 43%
HSV	54°, 30%, 51%
XYZ	18.2352, 20.0725, 12.5860
YIQ	122.2060, 13.6190, -10.0370

Conversions

Conversions Part 2

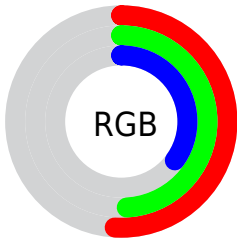
Format	Color
RYB	94, 129, 90
Decimal	8486234
CIELab	51.92, -4.38, 19.68
CIELCh	52, 20.157, 102.542
Yxy	20.0725, 0.3583, 0.3944
Android (android.graphics.Color)	4286676314 (0xFF817D5A)
YUV	122.2060, -15.8776, 5.9583
Hunter-Lab	44.8023, -5.7519, 14.7057

Details

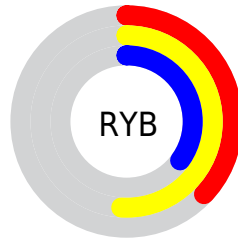
The Yxy color **20.0725, 0.3583, 0.3944** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **11.7704, 0.2628, 0.2539**, and the grayscale version is **19.5840, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.6793, 0.3481, 0.3806**, and **7.0130, 0.3754, 0.4204** is the 20% darker color. If you saturate the color by 10%, you get **19.5373, 0.3738, 0.4158**, and if you desaturate by 10%, it is **20.6522, 0.3427, 0.3725**.

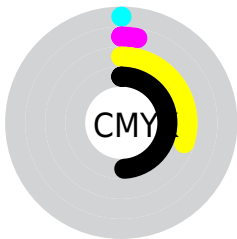
Distribution



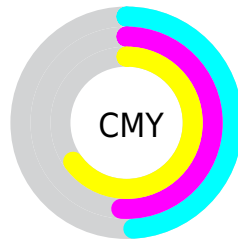
- Red (51%)
- Green (49%)
- Blue (35%)



- Red (37%)
- Yellow (51%)
- Blue (35%)



- Cyan (0%)
- Magenta (3%)
- Yellow (30%)
- Black (49%)



- Cyan (49%)
- Magenta (51%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0725, 0.3583, 0.3944 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 20.0725, 0.3583, 0.3944 by changing the saturation by 10% instead.


 20.0725, 0.3583,
0.3944


 20.0725, 0.3583,
0.3944


252.3073, 0.3327,
0.3569


 12.4478, 0.3657,
0.4057


 43.5387, 0.3483,
0.3794

 7.0494, 0.3756,
0.4214


 60.1489, 0.3448,
0.3743


 3.4930, 0.3897,
0.4448

 80.5232, 0.3419,
0.3700

 1.3942, 0.4490,
0.5279

 105.0457, 0.3394,
0.3665

 0.2125, 0.3091,
0.6909

 134.1010, 0.3374,
0.3636

 0.0000, 0.0000,
0.0000

168.0734, 0.3356,

0.3610

207.3474, 0.3341,
0.3588

■ 20.0725, 0.3583,
0.3944

■ 20.0725, 0.3583,
0.3944

■ 19.5373, 0.3738,
0.4158

■ 20.6522, 0.3427,
0.3725

■ 19.0418, 0.3888,
0.4358

■ 21.2756, 0.3276,
0.3507

■ 18.5848, 0.4027,
0.4537

■ 21.9452, 0.3131,
0.3295

■ 18.1640, 0.4149,
0.4684

■ 22.6627, 0.2995,
0.3094

■ 17.7766, 0.4249,
0.4794

■ 23.4296, 0.2868,
0.2904

■ 17.4195, 0.4324,
0.4863

■ 24.2473, 0.2752,
0.2729

■ 17.0907, 0.4381,
0.4904

■ 25.1174, 0.2647,
0.2567

■ 26.0412, 0.2551,
0.2419

■ 27.0198, 0.2464,
0.2283

Harmonies

Analogous

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



20.0725, 0.3819, 0.3779



20.0725, 0.3583, 0.3944



20.0725, 0.3232, 0.3924

Triad

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



20.0725, 0.3583, 0.3944



20.0725, 0.2443, 0.3005



20.0725, 0.3367, 0.2927

Complementary

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



20.0725, 0.3583, 0.3944



11.7704, 0.2628, 0.2539

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.



20.0725, 0.2987, 0.2742



20.0725, 0.3583, 0.3944



20.0725, 0.2472, 0.2769

Square

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



20.0725, 0.3583, 0.3944



20.0725, 0.2583, 0.3348



20.0725, 0.2665, 0.2682



20.0725, 0.3695, 0.3198

Rectangle

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



20.0725, 0.3583, 0.3944



20.0725, 0.2984, 0.3793



20.0725, 0.2665, 0.2682



20.0725, 0.3240, 0.2853

Sweetspot

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



20.0734, 0.3583, 0.3944



38.2034, 0.3260, 0.3484



12.7998, 0.3692, 0.3202



8.6145, 0.3279, 0.3511



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



20.0734, 0.3583, 0.3944



35.2898, 0.3686, 0.4086



20.0275, 0.3374, 0.4059



4.9460, 0.3258, 0.3482



16.6599, 0.4380, 0.4904



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.7704, 0.2628, 0.2539



18.0363, 0.2503, 0.2344



11.8990, 0.2818, 0.2494



4.2777, 0.2993, 0.3091



1.8376, 0.1528, 0.0700



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 20.0725, 0.3583, 0.3944 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 20.0725, 0.3583, 0.3944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

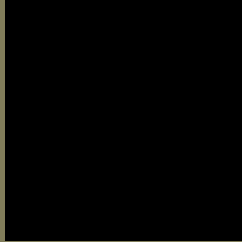
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0725, 0.3583, 0.3944

Background



This preview shows how black text looks on a background with the Yxy color 20.0725, 0.3583, 0.3944.



This preview shows how white text looks on a background with the Yxy color 20.0725, 0.3583, 0.3944.

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

20.0725, 0.3583, 0.3944

Protanopia

20.1231, 0.3652, 0.3934

Deuteranopia

20.0600, 0.3831, 0.3778



Tritanopia

20.0863, 0.3197, 0.3131

Trichromacy



Original Color

20.0725, 0.3583, 0.3944

Protanomaly

20.0421, 0.3639, 0.3937

Deuteranomaly

20.0055, 0.3738, 0.3827

Tritanomaly

20.0624, 0.3334, 0.3418

Monochromacy



Original Color

20.0725, 0.3583, 0.3944

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.6517, 0.3302, 0.3535

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0725, 0.3583, 0.3944 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(129, 125, 90)` looks like.

```
.text, #text, p{  
    color:rgb(129, 125, 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(129, 125, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 125, 90) }
```

Border

The CSS property to change the border of an element to Yxy 20.0725, 0.3583, 0.3944 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(129, 125, 90) }
```

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

```
.border{ border-color:rgb(129, 125, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 125, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 125, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 125, 90);  
box-shadow:4px 4px 4px 4px rgb(129, 125,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0725, 0.3583, 0.3944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 125, 90) }
```

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

```
.background{ background-color: rgb(129,  
125, 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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