

Converting Colors

$Y_{xy}(20.2305, 0.3648, 0.3539)$

Have a look what the booklet for
Yxy(20.2305, 0.3648, 0.3539)
contains.

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Color

Yxy(20.2333, 0.3639, 0.3535)

Conversions

Conversions Part 1

Format	Color
Hex	917769
RGB	145, 119, 105
RGB Percent	57%, 47%, 41%
CMY	0.4312, 0.5334, 0.5882
CMYK	0.00, 0.18, 0.28, 0.43
HSL	21°, 16%, 49%
HSV	21°, 28%, 57%
XYZ	20.8286, 20.2333, 16.1752
YIQ	125.1780, 19.9900, 1.1580

Conversions

Conversions Part 2

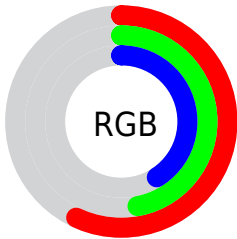
Format	Color
R_{YB}	145, 127, 105
Decimal	9533289
CIE _{Lab}	52.10, 7.91, 11.49
CIE _{LCh}	52, 13.951, 55.448
Yxy	20.2333, 0.3639, 0.3535
Android (android.graphics.Color)	4287723369 (0xFF917769)
YUV	125.1780, -9.9478, 17.3839
Hunter-Lab	44.9814, 3.9365, 10.1665

Details

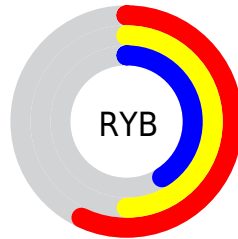
The Yxy color **20.2333, 0.3639, 0.3535** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.2971, 0.2713, 0.3031**, and the grayscale version is **20.6020, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.6682, 0.3520, 0.3484**, and **7.1916, 0.3852, 0.3630** is the 20% darker color. If you saturate the color by 10%, you get **17.8251, 0.3884, 0.3629**, and if you desaturate by 10%, it is **22.9174, 0.3428, 0.3442**.

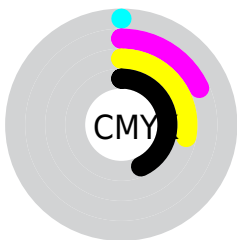
Distribution



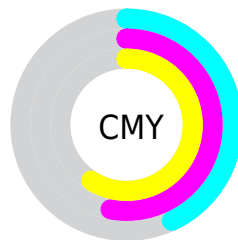
- Red (57%)
- Green (47%)
- Blue (41%)



- Red (57%)
- Yellow (50%)
- Blue (41%)



- Cyan (0%)
- Magenta (18%)
- Yellow (28%)
- Black (43%)





- Cyan (43%)
- Magenta (53%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2333, 0.3639, 0.3535 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 20.2333, 0.3639, 0.3535 by changing the saturation by 10% instead.


 20.2333, 0.3639,
0.3535


 20.2333, 0.3639,
0.3535


253.1753, 0.3346,
0.3400


 12.5647, 0.3728,
0.3573


 43.8080, 0.3522,
0.3483


 7.1295, 0.3854,
0.3624


 60.4829, 0.3481,
0.3464

 3.5432, 0.4045,
0.3695


 80.9287, 0.3448,
0.3449

 1.4215, 0.4403,
0.3831

 105.5299, 0.3421,
0.3436

 0.2325, 0.6405,
0.3595

134.6707, 0.3398,
0.3425

 0.0000, 0.0000,
0.0000

168.7356, 0.3378,

0.3416

208.1090, 0.3361,
0.3408

■ 20.2333, 0.3639,
0.3535

■ 20.2333, 0.3639,
0.3535

■ 17.8251, 0.3884,
0.3629

■ 22.9174, 0.3428,
0.3442

■ 15.6809, 0.4162,
0.3718

■ 25.8831, 0.3247,
0.3354

■ 13.7920, 0.4473,
0.3796

■ 29.1397, 0.3092,
0.3271

■ 12.1483, 0.4805,
0.3852

■ 32.6949, 0.2960,
0.3193

■ 10.7387, 0.5143,
0.3874

■ 36.5563, 0.2848,
0.3123

■ 9.5512, 0.5460,
0.3853

■ 40.7312, 0.2752,
0.3058

■ 8.5697, 0.5737,
0.3790

■ 45.2266, 0.2669,
0.2999

■ 8.3603, 0.5803,
0.3775

■ 50.0494, 0.2597,
0.2945

■ 55.2060, 0.2535,
0.2896

Harmonies

Analogous

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



20.2333, 0.3584, 0.3324



20.2333, 0.3639, 0.3535



20.2333, 0.3551, 0.3694

Triad

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



20.2333, 0.3639, 0.3535



20.2333, 0.2853, 0.3472



20.2333, 0.2895, 0.2867

Complementary

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



20.2333, 0.3639, 0.3535



21.2971, 0.2713, 0.3031

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.



20.2333, 0.2714, 0.2888



20.2333, 0.3639, 0.3535



20.2333, 0.2690, 0.3228

Square

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



20.2333, 0.3639, 0.3535



20.2333, 0.3093, 0.3668



20.2333, 0.2640, 0.3015



20.2333, 0.3145, 0.2949

Rectangle

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



20.2333, 0.3639, 0.3535



20.2333, 0.3425, 0.3744



20.2333, 0.2640, 0.3015



20.2333, 0.2825, 0.2862

Sweetspot

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



20.2342, 0.3639, 0.3535



46.0117, 0.3256, 0.3359



17.7860, 0.3329, 0.2836



10.0668, 0.3280, 0.3371



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.



20.2342, 0.3639, 0.3535



33.5334, 0.3784, 0.3592



25.3245, 0.3556, 0.3853



5.7130, 0.3273, 0.3367



7.2125, 0.5791, 0.3783



0.1074, 0.5066, 0.4360

Inverse Universe

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



21.2971, 0.2713, 0.3031



35.7492, 0.2623, 0.2965



16.5677, 0.2677, 0.2656



5.8035, 0.2990, 0.3211



8.7245, 0.1927, 0.2136



0.1248, 0.2088, 0.2717

Previews

White Background



This preview shows how the Yxy color 20.2333, 0.3639, 0.3535 looks on a white background.

Color Contrast Check

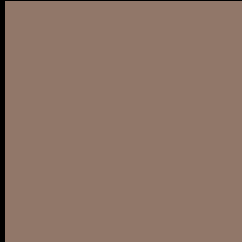
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2333, 0.3639, 0.3535 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 20.2333, 0.3639, 0.3535

Background



This preview shows how black text looks on a background with the Yxy color 20.2333, 0.3639, 0.3535.



This preview shows how white text looks on a background with the Yxy color 20.2333, 0.3639, 0.3535.

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

20.2333, 0.3639, 0.3535

Protanopia

20.3233, 0.3400, 0.3585

Deuteranopia

20.2925, 0.3608, 0.3555



Tritanopia

20.1745, 0.3419, 0.3138

Trichromacy



Original Color

20.2333, 0.3639, 0.3535

Protanomaly

20.2148, 0.3483, 0.3562

Deuteranomaly

20.3822, 0.3621, 0.3554

Tritanomaly

20.1416, 0.3492, 0.3274

Monochromacy



Original Color

20.2333, 0.3639, 0.3535

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.3795, 0.3296, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2333, 0.3639, 0.3535 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, 119, 105)` looks like.

```
.text, #text, p{  
    color:rgb(145, 119, 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(145, 119, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 119, 105) }
```

Border

The CSS property to change the border of an element to Yxy 20.2333, 0.3639, 0.3535 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, 119, 105) }
```

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

```
.border{ border-color:rgb(145, 119, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 119, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 119, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 119, 105);  
box-shadow:4px 4px 4px 4px rgb(145, 119,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2333, 0.3639, 0.3535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 119, 105) }
```

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

```
.background{ background-color: rgb(145,  
119, 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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