

Converting Colors

$Y_{xy}(20.1717, 0.3339, 0.3872)$

Have a look what the booklet for
Yxy(20.1717, 0.3339, 0.3872)
contains.

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Color

Yxy(20.1717, 0.3339, 0.3872)

Conversions

Conversions Part 1

Format	Color
Hex	768062
RGB	118, 128, 98
RGB Percent	46%, 50%, 38%
CMY	0.5372, 0.4980, 0.6157
CMYK	0.08, 0.00, 0.23, 0.50
HSL	80°, 13%, 44%
HSV	80°, 23%, 50%
XYZ	17.3950, 20.1717, 14.5297
YIQ	121.5900, 3.6700, -11.4500

Conversions

Conversions Part 2

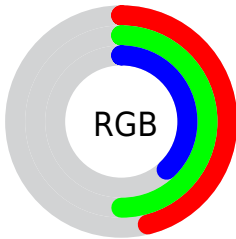
Format	Color
RYB	98, 128, 108
Decimal	7766114
CIELab	52.03, -9.36, 15.09
CIELCh	52, 17.758, 121.802
Yxy	20.1717, 0.3339, 0.3872
Android (android.graphics.Color)	4285956194 (0xFF768062)
YUV	121.5900, -11.6299, -3.1484
Hunter-Lab	44.9129, -9.4638, 12.2583

Details

The Yxy color $20.1717, 0.3339, 0.3872$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $13.4800, 0.2878, 0.2686$, and the grayscale version is $19.3596, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.7637, 0.3289, 0.3736$, and $7.0962, 0.3412, 0.4141$ is the 20% darker color. If you saturate the color by 10%, you get $19.6579, 0.3426, 0.4138$, and if you desaturate by 10%, it is $20.7394, 0.3249, 0.3614$.

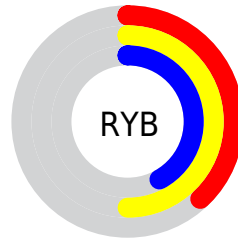
Distribution



Red (46%)

Green (50%)

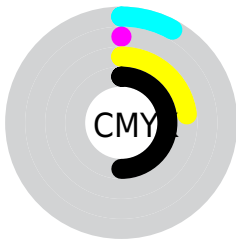
Blue (38%)



Red (38%)

Yellow (50%)

Blue (42%)

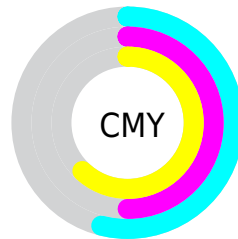


Cyan (8%)

Magenta (0%)

Yellow (23%)

Black (50%)



Cyan (54%)


Magenta (50%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1717, 0.3339, 0.3872 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 20.1717, 0.3339, 0.3872 by changing the saturation by 10% instead.


 20.1717, 0.3339,
0.3872


 20.1717, 0.3339,
0.3872


252.8431, 0.3223,
0.3534

 12.5199, 0.3371,
0.3977


 43.7049, 0.3294,
0.3735

 7.0988, 0.3415,
0.4128


 60.3550, 0.3278,
0.3688

 3.5240, 0.3474,
0.4360

 80.7735, 0.3265,
0.3651

 1.4110, 0.3683,
0.4935

 105.3445, 0.3254,
0.3619

 0.2248, 0.0000,
1.0000

134.4526, 0.3244,
0.3593

 0.0000, 0.0000,
0.0000

168.4822, 0.3236,

0.3570

207.8175, 0.3229,
0.3551

■ 20.1717, 0.3339,
0.3872

■ 20.1717, 0.3339,
0.3872

■ 19.6579, 0.3426,
0.4138

■ 20.7394, 0.3249,
0.3614

■ 19.1935, 0.3505,
0.4406

■ 21.3603, 0.3158,
0.3370

■ 18.7770, 0.3573,
0.4667

■ 22.0370, 0.3069,
0.3143

■ 18.4061, 0.3624,
0.4908

■ 22.7713, 0.2984,
0.2934

■ 18.0784, 0.3655,
0.5121

■ 23.5647, 0.2903,
0.2743

■ 17.7907, 0.3664,
0.5294

■ 24.4188, 0.2827,
0.2569

■ 17.5395, 0.3649,
0.5422

■ 25.3350, 0.2757,
0.2413

■ 17.3870, 0.3635,
0.5496

■ 26.3148, 0.2691,
0.2272

■ 27.3596, 0.2631,
0.2146

Harmonies

Analogous

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



20.1717, 0.3620, 0.3831



20.1717, 0.3339, 0.3872



20.1717, 0.3011, 0.3734

Triad

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



20.1717, 0.3339, 0.3872



20.1717, 0.2520, 0.2893



20.1717, 0.3535, 0.3118

Complementary

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



20.1717, 0.3339, 0.3872



13.4800, 0.2878, 0.2686

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.



20.1717, 0.3220, 0.2898



20.1717, 0.3339, 0.3872



20.1717, 0.2642, 0.2764

Square

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



20.1717, 0.3339, 0.3872



20.1717, 0.2549, 0.3143



20.1717, 0.2893, 0.2770



20.1717, 0.3741, 0.3386

Rectangle

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



20.1717, 0.3339, 0.3872



20.1717, 0.2811, 0.3559



20.1717, 0.2893, 0.2770



20.1717, 0.3437, 0.3037

Sweetspot

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



20.1726, 0.3339, 0.3872



37.1889, 0.3192, 0.3459



16.0901, 0.3546, 0.3475



8.6954, 0.3196, 0.3470



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.



20.1726, 0.3339, 0.3872



35.0330, 0.3385, 0.4010



19.2336, 0.3162, 0.3905



4.9499, 0.3209, 0.3506



17.2405, 0.3635, 0.5496



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.4800, 0.2878, 0.2686



21.1533, 0.2812, 0.2536



14.4666, 0.3076, 0.2720



4.2759, 0.3040, 0.3071



2.0478, 0.1774, 0.0751



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 20.1717, 0.3339, 0.3872 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 20.1717, 0.3339, 0.3872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

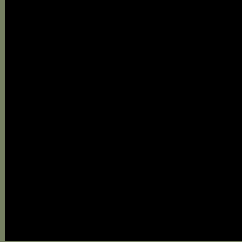
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1717, 0.3339, 0.3872

Background



This preview shows how black text looks on a background with the Yxy color 20.1717, 0.3339, 0.3872.



This preview shows how white text looks on a background with the Yxy color 20.1717, 0.3339, 0.3872.

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

20.1717, 0.3339, 0.3872

Protanopia

20.1654, 0.3556, 0.3807

Deuteranopia

20.0430, 0.3689, 0.3625



Tritanopia

20.0703, 0.3017, 0.3107

Trichromacy



Original Color

20.1717, 0.3339, 0.3872

Protanomaly

20.0423, 0.3475, 0.3817

Deuteranomaly

19.9708, 0.3568, 0.3711

Tritanomaly

20.0882, 0.3135, 0.3384

Monochromacy



Original Color

20.1717, 0.3339, 0.3872

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.6725, 0.3215, 0.3500

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1717, 0.3339, 0.3872 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(118, 128, 98)` looks like.

```
.text, #text, p{  
    color:rgb(118, 128, 98)  
}
```

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(118, 128, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 128, 98) }
```

Border

The CSS property to change the border of an element to Yxy 20.1717, 0.3339, 0.3872 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(118, 128, 98) }
```

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

```
.border{ border-color:rgb(118, 128, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 128, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 128, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 128, 98);  
box-shadow:4px 4px 4px 4px rgb(118, 128,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1717, 0.3339, 0.3872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 128, 98) }
```

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

```
.background{ background-color: rgb(118,  
128, 98) }
```

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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