

Converting Colors

$Y_{xy}(20.2054, 0.3440, 0.3467)$

Have a look what the booklet for
Yxy(20.2054, 0.3440, 0.3467)
contains.

Yxy(20.1408, 0.3450, 0.3470)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.1408, 0.3450, 0.3470)

Conversions

Conversions Part 1

Format	Color
Hex	89796F
RGB	137, 121, 111
RGB Percent	54%, 47%, 44%
CMY	0.4627, 0.5255, 0.5646
CMYK	0.00, 0.12, 0.19, 0.46
HSL	23°, 10%, 49%
HSV	23°, 19%, 54%
XYZ	20.0247, 20.1408, 17.8771
YIQ	124.6440, 12.7460, 0.2820

Conversions

Conversions Part 2

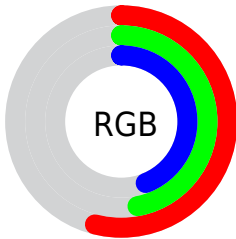
Format	Color
R_{YB}	137, 127, 111
Decimal	9009519
CIE Lab	52.00, 4.43, 7.72
CIE LCh	52, 8.900, 60.141
Yxy	20.1408, 0.3450, 0.3470
Android (android.graphics.Color)	4287199599 (0xFF89796F)
YUV	124.6440, -6.7265, 10.8362
Hunter-Lab	44.8785, 1.1090, 7.7971

Details

The Yxy color **20.1408, 0.3450, 0.3470** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.3732, 0.2843, 0.3103**, and the grayscale version is **20.4032, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.6078, 0.3377, 0.3422**, and **7.1502, 0.3594, 0.3564** is the 20% darker color. If you saturate the color by 10%, you get **17.9003, 0.3660, 0.3571**, and if you desaturate by 10%, it is **22.6089, 0.3268, 0.3373**.

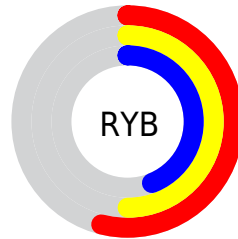
Distribution



Red (54%)

Green (47%)

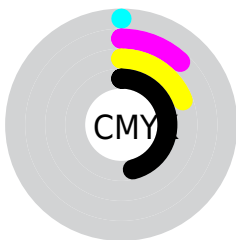
Blue (44%)



Red (54%)

Yellow (50%)

Blue (44%)

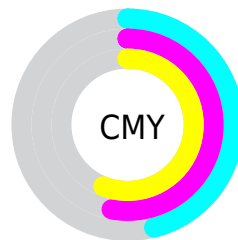


Cyan (0%)

Magenta (12%)

Yellow (19%)

Black (46%)



Cyan (46%)

Magenta (53%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1408, 0.3450, 0.3470 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 20.1408, 0.3450, 0.3470 by changing the saturation by 10% instead.


 20.1408, 0.3450,
0.3470


 20.1408, 0.3450,
0.3470


252.6763, 0.3265,
0.3369


 12.4974, 0.3506,
0.3499


 43.6531, 0.3376,
0.3430


 7.0834, 0.3586,
0.3540


 60.2909, 0.3351,
0.3416

 3.5143, 0.3708,
0.3601

 80.6955, 0.3330,
0.3405

 1.4058, 0.3917,
0.3698

 105.2515, 0.3312,
0.3396

 0.2210, 0.5902,
0.4098

134.3432, 0.3298,
0.3387

 0.0000, 0.0000,
0.0000

168.3549, 0.3285,

0.3381

207.6712, 0.3275,
0.3375

■ 20.1408, 0.3450,
0.3470

■ 20.1408, 0.3450,
0.3470

■ 17.9003, 0.3660,
0.3571

■ 22.6089, 0.3268,
0.3373

■ 15.8779, 0.3901,
0.3673

■ 25.3083, 0.3112,
0.3281

■ 14.0677, 0.4173,
0.3770

■ 28.2460, 0.2978,
0.3196

■ 12.4621, 0.4473,
0.3854

■ 31.4278, 0.2863,
0.3117

■ 11.0532, 0.4790,
0.3914

■ 34.8594, 0.2764,
0.3045

■ 9.8324, 0.5108,
0.3939

■ 38.5463, 0.2678,
0.2979

■ 8.7905, 0.5405,
0.3920

■ 42.4937, 0.2604,
0.2919

■ 7.9124, 0.5672,
0.3862

■ 46.7068, 0.2539,
0.2864

■ 7.8296, 0.5700,
0.3856

■ 51.1906, 0.2483,
0.2813

Harmonies

Analogous

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



20.1408, 0.3429, 0.3337



20.1408, 0.3450, 0.3470



20.1408, 0.3382, 0.3559

Triad

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



20.1408, 0.3450, 0.3470



20.1408, 0.2931, 0.3383



20.1408, 0.3003, 0.3019

Complementary

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



20.1408, 0.3450, 0.3470



20.3732, 0.2843, 0.3103

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.



20.1408, 0.2875, 0.3024



20.1408, 0.3450, 0.3470



20.1408, 0.2835, 0.3230

Square

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



20.1408, 0.3450, 0.3470



20.1408, 0.3081, 0.3512



20.1408, 0.2814, 0.3099



20.1408, 0.3167, 0.3082

Rectangle

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



20.1408, 0.3450, 0.3470



20.1408, 0.3297, 0.3580



20.1408, 0.2814, 0.3099



20.1408, 0.2954, 0.3013

Sweetspot

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



20.1417, 0.3450, 0.3470



41.8116, 0.3222, 0.3346



18.2260, 0.3272, 0.3006



9.3212, 0.3230, 0.3351



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.



20.1417, 0.3450, 0.3470



34.1945, 0.3542, 0.3516



23.5101, 0.3410, 0.3693



5.3430, 0.3272, 0.3374



7.3146, 0.5695, 0.3860



0.0754, 0.4988, 0.4421

Inverse Universe

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



20.3732, 0.2843, 0.3103



34.6909, 0.2774, 0.3053



17.2339, 0.2829, 0.2852



5.3714, 0.2991, 0.3204



7.6691, 0.1894, 0.2017



0.0794, 0.2069, 0.2647

Previews

White Background



This preview shows how the Yxy color 20.1408, 0.3450, 0.3470 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 20.1408, 0.3450, 0.3470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

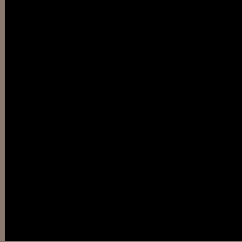
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1408, 0.3450, 0.3470

Background



This preview shows how black text looks on a background with the Yxy color 20.1408, 0.3450, 0.3470.

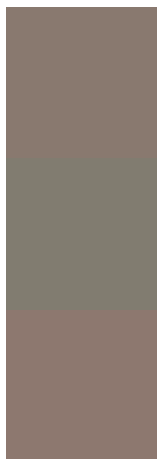


This preview shows how white text looks on a background with the Yxy color 20.1408, 0.3450, 0.3470.

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

20.1408, 0.3450, 0.3470

Protanopia

20.2523, 0.3327, 0.3512

Deuteranopia

20.2434, 0.3506, 0.3450



Tritanopia

20.2411, 0.3273, 0.3133

Trichromacy



Original Color

20.1408, 0.3450, 0.3470

Protanomaly

20.2413, 0.3368, 0.3492

Deuteranomaly

20.1561, 0.3493, 0.3451

Tritanomaly

20.2414, 0.3331, 0.3255

Monochromacy



Original Color

20.1408, 0.3450, 0.3470

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.4385, 0.3234, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1408, 0.3450, 0.3470 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, 121, 111)` looks like.

```
.text, #text, p{  
    color:rgb(137, 121, 111)  
}
```

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, 121, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 121, 111) }
```

Border

The CSS property to change the border of an element to Yxy 20.1408, 0.3450, 0.3470 is called "border". The border property can be set on classes, ids or directly on the HTML element.

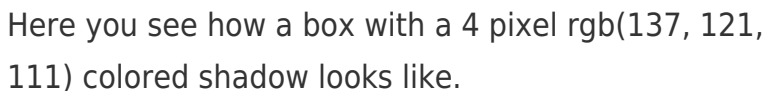
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 121, 111) }
```

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

```
.border{ border-color:rgb(137, 121, 111) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 121, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 121, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 121, 111);  
box-shadow:4px 4px 4px 4px rgb(137, 121,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1408, 0.3450, 0.3470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 121, 111) }
```

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

```
.background{ background-color: rgb(137,  
121, 111) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor