

Converting Colors

$Y_{xy}(20.4005, 0.3605, 0.3411)$

Have a look what the booklet for
Yxy(20.4005, 0.3605, 0.3411)
contains.

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Color

Yxy(20.4005, 0.3605, 0.3411)

Conversions

Conversions Part 1

Format	Color
Hex	94766F
RGB	148, 118, 111
RGB Percent	58%, 46%, 44%
CMY	0.4196, 0.5372, 0.5646
CMYK	0.00, 0.20, 0.25, 0.42
HSL	11°, 15%, 51%
HSV	11°, 25%, 58%
XYZ	21.5608, 20.4005, 17.8467
YIQ	126.1720, 20.1270, 4.1830

Conversions

Conversions Part 2

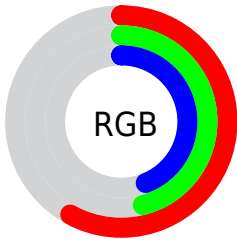
Format	Color
R_{YB}	148, 120, 111
Decimal	9729647
CIE _{Lab}	52.29, 10.60, 8.28
CIE _{LCh}	52, 13.450, 38.010
Yxy	20.4005, 0.3605, 0.3411
Android (android.graphics.Color)	4287919727 (0xFF94766F)
YUV	126.1720, -7.4798, 19.1432
Hunter-Lab	45.1669, 6.1663, 8.1897

Details

The Yxy color $20.4005, 0.3605, 0.3411$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $24.5732, 0.2761, 0.3165$, and the grayscale version is $20.9473, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.0903, 0.3496, 0.3380$, and $7.2806, 0.3821, 0.3470$ is the 20% darker color. If you saturate the color by 10%, you get $17.4519, 0.3866, 0.3463$, and if you desaturate by 10%, it is $23.7649, 0.3387, 0.3360$.

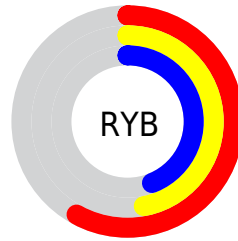
Distribution



Red (58%)

Green (46%)

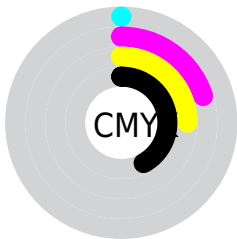
Blue (44%)



Red (58%)

Yellow (47%)

Blue (44%)

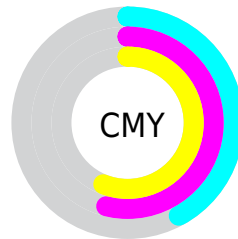


Cyan (0%)

Magenta (20%)

Yellow (25%)

Black (42%)



Cyan (42%)


Magenta (54%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4005, 0.3605, 0.3411 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 20.4005, 0.3605, 0.3411 by changing the saturation by 10% instead.


 20.4005, 0.3605,
0.3411


 20.4005, 0.3605,
0.3411

254.0751, 0.3331,
0.3347

 12.6865, 0.3688,
0.3428


 44.0876, 0.3495,
0.3387


 7.2130, 0.3806,
0.3450


 60.8296, 0.3458,
0.3378

 3.5957, 0.3986,
0.3480

 81.3496, 0.3427,
0.3370

 1.4501, 0.4294,
0.3518

 106.0321, 0.3401,
0.3364

 0.2532, 0.6636,
0.3364

135.2615, 0.3380,
0.3359

 0.0000, 0.0000,
0.0000

169.4222, 0.3361,

0.3354

208.8986, 0.3345,
0.3350

■ 20.4005, 0.3605,
0.3411

■ 20.4005, 0.3605,
0.3411

■ 17.4519, 0.3866,
0.3463

■ 23.7649, 0.3387,
0.3360

■ 14.9001, 0.4176,
0.3512

■ 27.5576, 0.3206,
0.3313

■ 12.7290, 0.4532,
0.3554

■ 31.7940, 0.3055,
0.3268

■ 10.9199, 0.4927,
0.3583

■ 36.4877, 0.2930,
0.3227

■ 9.4530, 0.5336,
0.3588

■ 41.6521, 0.2826,
0.3190

■ 8.3061, 0.5720,
0.3563

■ 47.2997, 0.2739,
0.3157

■ 7.4539, 0.6034,
0.3507

■ 53.4427, 0.2665,
0.3126

■ 7.1232, 0.6171,
0.3482

■ 60.0928, 0.2602,
0.3099

■ 67.2614, 0.2549,
0.3073

Harmonies

Analogous

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



20.4005, 0.3476, 0.3202



20.4005, 0.3605, 0.3411



20.4005, 0.3600, 0.3599

Triad

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



20.4005, 0.3605, 0.3411



20.4005, 0.2992, 0.3585



20.4005, 0.2791, 0.2881

Complementary

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



20.4005, 0.3605, 0.3411



24.5732, 0.2761, 0.3165

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.



20.4005, 0.2674, 0.2963



20.4005, 0.3605, 0.3411



20.4005, 0.2786, 0.3368

Square

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



20.4005, 0.3605, 0.3411



20.4005, 0.3240, 0.3713



20.4005, 0.2672, 0.3138



20.4005, 0.3000, 0.2904

Rectangle

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



20.4005, 0.3605, 0.3411



20.4005, 0.3522, 0.3688



20.4005, 0.2672, 0.3138



20.4005, 0.2740, 0.2897

Sweetspot

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



20.4014, 0.3605, 0.3411



47.1179, 0.3242, 0.3323



19.5990, 0.3237, 0.2792



10.6756, 0.3251, 0.3325



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



20.4014, 0.3605, 0.3411



32.9881, 0.3746, 0.3440



25.1331, 0.3535, 0.3713



5.9821, 0.3278, 0.3332



6.1164, 0.6162, 0.3489



0.1076, 0.5520, 0.3999

Inverse Universe

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



24.5732, 0.2761, 0.3165



41.6420, 0.2683, 0.3134



19.6183, 0.2732, 0.2828



6.3780, 0.2990, 0.3247



13.3489, 0.2080, 0.2689



0.2020, 0.2168, 0.3006

Previews

White Background



This preview shows how the Yxy color 20.4005, 0.3605, 0.3411 looks on a white background.

Color Contrast Check

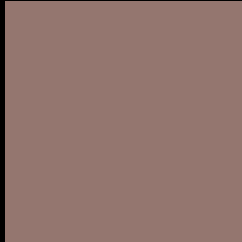
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4005, 0.3605, 0.3411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

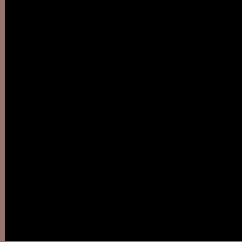
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4005, 0.3605, 0.3411

Background



This preview shows how black text looks on a background with the Yxy color 20.4005, 0.3605, 0.3411.



This preview shows how white text looks on a background with the Yxy color 20.4005, 0.3605, 0.3411.

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

20.4005, 0.3605, 0.3411

Protanopia

20.3760, 0.3316, 0.3474

Deuteranopia

20.3314, 0.3519, 0.3449



Tritanopia

20.4555, 0.3458, 0.3140

Trichromacy



Original Color

20.4005, 0.3605, 0.3411

Protanomaly

20.4297, 0.3423, 0.3452

Deuteranomaly

20.2706, 0.3549, 0.3431

Tritanomaly

20.4682, 0.3506, 0.3240

Monochromacy



Original Color

20.4005, 0.3605, 0.3411

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.6147, 0.3286, 0.3326

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4005, 0.3605, 0.3411 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(148, 118, 111)` looks like.

```
.text, #text, p{  
    color:rgb(148, 118, 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(148, 118, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 118, 111) }
```

Border

The CSS property to change the border of an element to Yxy 20.4005, 0.3605, 0.3411 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(148, 118, 111) }
```

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

```
.border{ border-color:rgb(148, 118, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 118, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 118, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 118, 111);  
box-shadow:4px 4px 4px 4px rgb(148, 118,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4005, 0.3605, 0.3411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 118, 111) }
```

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

```
.background{ background-color: rgb(148,  
118, 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](#).

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