

Converting Colors

$Y_{xy}(12.8324, 0.3538, 0.3852)$

Have a look what the booklet for
Yxy(12.8324, 0.3538, 0.3852)
contains.

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Color

Yxy(12.8324, 0.3538, 0.3852)

Conversions

Conversions Part 1

Format	Color
Hex	69654C
RGB	105, 101, 76
RGB Percent	41%, 40%, 30%
CMY	0.5881, 0.6039, 0.7019
CMYK	0.00, 0.04, 0.28, 0.59
HSL	52°, 16%, 35%
HSV	52°, 28%, 41%
XYZ	11.7864, 12.8324, 8.6949
YIQ	99.3460, 10.4090, -6.9270

Conversions

Conversions Part 2

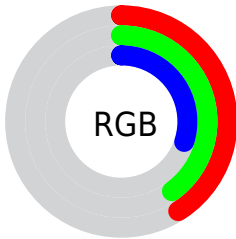
Format	Color
R_{YB}	81, 105, 76
Decimal	6907212
CIE Lab	42.51, -2.86, 14.75
CIE LCh	43, 15.028, 100.976
Yxy	12.8324, 0.3538, 0.3852
Android (android.graphics.Color)	4285097292 (0xFF69654C)
YUV	99.3460, -11.5096, 4.9586
Hunter-Lab	35.8223, -3.9586, 10.6847

Details

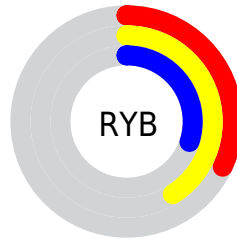
The Yxy color **12.8324, 0.3538, 0.3852** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.3008, 0.2691, 0.2657**, and the grayscale version is **12.5982, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1052, 0.3440, 0.3711**, and **3.6125, 0.3725, 0.4119** is the 20% darker color. If you saturate the color by 10%, you get **12.4177, 0.3695, 0.4057**, and if you desaturate by 10%, it is **13.2771, 0.3383, 0.3645**.

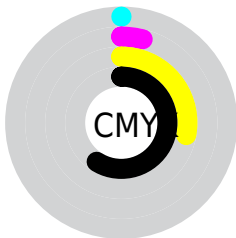
Distribution



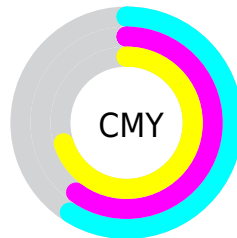
- Red (41%)
- Green (40%)
- Blue (30%)



- Red (32%)
- Yellow (41%)
- Blue (30%)



- Cyan (0%)
- Magenta (4%)
- Yellow (28%)
- Black (59%)





- Cyan (59%)
- Magenta (60%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8324, 0.3538, 0.3852 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 12.8324, 0.3538, 0.3852 by changing the saturation by 10% instead.

 12.8324, 0.3538,
0.3852


 12.8324, 0.3538,
0.3852


209.8407, 0.3292,
0.3510


 7.3132, 0.3619,
0.3968


 31.0024, 0.3436,
0.3708


 3.6588, 0.3736,
0.4142

 44.4219, 0.3402,
0.3661


 1.4846, 0.4014,
0.4532

 61.2438, 0.3374,
0.3623

 0.2778, 0.4114,
0.5886

 81.8523, 0.3352,
0.3592

 0.0000, 0.0000,
0.0000

 106.6318, 0.3333,
0.3566

135.9668, 0.3317,

0.3544

170.2417, 0.3303,
0.3526

■ 12.8324, 0.3538,
0.3852

■ 12.8324, 0.3538,
0.3852

■ 12.4177, 0.3695,
0.4057

■ 13.2771, 0.3383,
0.3645

■ 12.0302, 0.3851,
0.4253

■ 13.7512, 0.3235,
0.3441

■ 11.6691, 0.4000,
0.4432

■ 14.2564, 0.3095,
0.3244

■ 11.3330, 0.4136,
0.4585

■ 14.7935, 0.2964,
0.3058

■ 11.0205, 0.4254,
0.4705

■ 15.3636, 0.2844,
0.2883

■ 10.7295, 0.4349,
0.4786

■ 15.9676, 0.2733,
0.2721

■ 10.4548, 0.4427,
0.4839

■ 16.6062, 0.2633,
0.2572

■ 10.3904, 0.4446,
0.4852

■ 17.2803, 0.2542,
0.2434

■ 17.9907, 0.2460,
0.2309

Harmonies

Analogous

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



12.8324, 0.3733, 0.3707



12.8324, 0.3538, 0.3852



12.8324, 0.3238, 0.3839

Triad

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



12.8324, 0.3538, 0.3852



12.8324, 0.2533, 0.3060



12.8324, 0.3319, 0.2962

Complementary

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



12.8324, 0.3538, 0.3852



8.3008, 0.2691, 0.2657

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.



12.8324, 0.2991, 0.2805



12.8324, 0.3538, 0.3852



12.8324, 0.2551, 0.2847

Square

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



12.8324, 0.3538, 0.3852



12.8324, 0.2664, 0.3359



12.8324, 0.2714, 0.2760



12.8324, 0.3606, 0.3199

Rectangle

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



12.8324, 0.3538, 0.3852



12.8324, 0.3022, 0.3733



12.8324, 0.2714, 0.2760



12.8324, 0.3209, 0.2899

Sweetspot

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



12.8330, 0.3538, 0.3852



24.5579, 0.3244, 0.3453



8.7597, 0.3596, 0.3189



5.7285, 0.3261, 0.3477



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



12.8330, 0.3538, 0.3852



22.4915, 0.3637, 0.3982



13.0563, 0.3363, 0.3969



3.5154, 0.3255, 0.3468



13.1105, 0.4450, 0.4849



65.8591, 0.4466, 0.4836

Inverse Universe

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



8.3008, 0.2691, 0.2657



12.9579, 0.2577, 0.2487



8.1770, 0.2841, 0.2584



3.0868, 0.2997, 0.3106



1.6709, 0.1543, 0.0754



7.7252, 0.1526, 0.0692

Previews

White Background



This preview shows how the Yxy color 12.8324, 0.3538, 0.3852 looks on a white 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

Black Background



This preview shows how the Yxy color 12.8324, 0.3538, 0.3852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

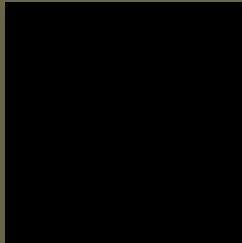
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

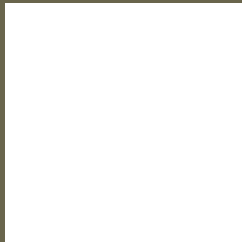
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.8324, 0.3538, 0.3852

Background



This preview shows how black text looks on a background with the Yxy color 12.8324, 0.3538, 0.3852.



This preview shows how white text looks on a background with the Yxy color 12.8324, 0.3538, 0.3852.

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

12.8324, 0.3538, 0.3852

Protanopia

12.7619, 0.3575, 0.3826

Deuteranopia

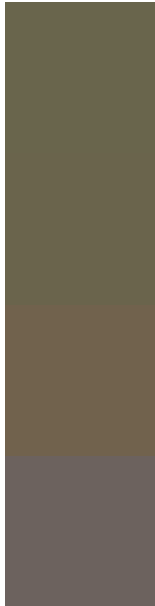
12.7531, 0.3761, 0.3692



Tritanopia

12.8205, 0.3195, 0.3119

Trichromacy



Original Color

12.8324, 0.3538, 0.3852

Protanomaly

12.7003, 0.3559, 0.3829

Deuteranomaly

12.7819, 0.3668, 0.3745

Tritanomaly

12.7317, 0.3336, 0.3378

Monochromacy



Original Color

12.8324, 0.3538, 0.3852

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.6364, 0.3266, 0.3494

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8324, 0.3538, 0.3852 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(105, 101, 76)` looks like.

```
.text, #text, p{  
    color:rgb(105, 101, 76)  
}
```

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(105, 101, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 101, 76) }
```

Border

The CSS property to change the border of an element to Yxy 12.8324, 0.3538, 0.3852 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(105, 101, 76) }
```

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

```
.border{ border-color:rgb(105, 101, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 101, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 101, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 101, 76);  
box-shadow:4px 4px 4px 4px rgb(105, 101,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8324, 0.3538, 0.3852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 101, 76) }
```

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

```
.background{ background-color: rgb(105,  
101, 76) }
```

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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