

Converting Colors

$Y_{xy}(12.4737, 0.3386, 0.4174)$

Have a look what the booklet for
Yxy(12.4737, 0.3386, 0.4174)
contains.

Yxy(12.4418, 0.3383, 0.4162)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.4418, 0.3383, 0.4162)

Conversions

Conversions Part 1

Format	Color
Hex	596844
RGB	89, 104, 68
RGB Percent	35%, 41%, 27%
CMY	0.6510, 0.5921, 0.7333
CMYK	0.14, 0.00, 0.35, 0.59
HSL	85°, 21%, 34%
HSV	85°, 35%, 41%
XYZ	10.1131, 12.4418, 7.3389
YIQ	95.4110, 2.6160, -14.3760

Conversions

Conversions Part 2

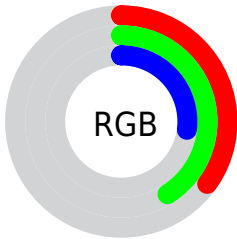
Format	Color
R_{YB}	68, 104, 83
Decimal	5859396
CIE _{Lab}	41.91, -12.68, 18.45
CIE _{LCh}	42, 22.390, 124.502
Yxy	12.4418, 0.3383, 0.4162
Android (android.graphics.Color)	4284049476 (0xFF596844)
YUV	95.4110, -13.5136, -5.6224
Hunter-Lab	35.2729, -10.5501, 12.3551

Details

The Yxy color **12.4418, 0.3383, 0.4162** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.9753, 0.2793, 0.2395**, and the grayscale version is **11.5803, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2160, 0.3317, 0.3919**, and **3.5058, 0.3484, 0.4654** is the 20% darker color. If you saturate the color by 10%, you get **12.1181, 0.3446, 0.4434**, and if you desaturate by 10%, it is **12.8018, 0.3312, 0.3894**.

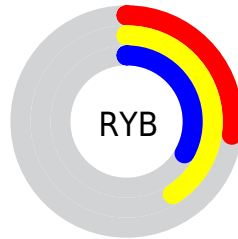
Distribution



Red (35%)

Green (41%)

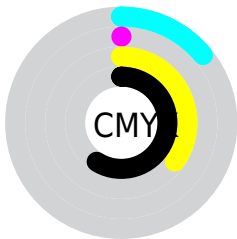
Blue (27%)



Red (27%)

Yellow (41%)

Blue (33%)

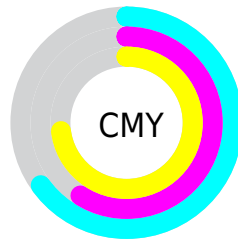


Cyan (14%)

Magenta (0%)

Yellow (35%)

Black (59%)



Cyan (65%)


Magenta (59%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.4418, 0.3383, 0.4162 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 12.4418, 0.3383, 0.4162 by changing the saturation by 10% instead.


 12.4418, 0.3383,
0.4162


 12.4418, 0.3383,
0.4162


207.3086, 0.3238,
0.3618


 7.0453, 0.3423,
0.4356


 30.2972, 0.3326,
0.3928


 3.4905, 0.3472,
0.4655

 43.5250, 0.3306,
0.3852


 1.3928, 0.3812,
0.5602

 60.1319, 0.3289,
0.3793

 0.2114, 0.0000,
1.0000

 80.5025, 0.3276,
0.3744

 0.0000, 0.0000,
0.0000

 105.0210, 0.3264,
0.3704

134.0720, 0.3254,

0.3671

168.0397, 0.3245,
0.3642

■ 12.4418, 0.3383,
0.4162

■ 12.4418, 0.3383,
0.4162

■ 12.1181, 0.3446,
0.4434

■ 12.8018, 0.3312,
0.3894

■ 11.8276, 0.3499,
0.4701

■ 13.1978, 0.3238,
0.3637

■ 11.5694, 0.3536,
0.4952


■ 13.6315, 0.3162,
0.3396


■ 11.3417, 0.3554,
0.5177


■ 14.1041, 0.3087,
0.3171

■ 11.1428, 0.3552,
0.5364


■ 14.6168, 0.3015,
0.2966

 10.9692, 0.3531,
0.5511

 15.1705, 0.2945,
0.2779

 10.8816, 0.3519,
0.5588

 15.7664, 0.2880,
0.2609

 16.4053, 0.2819,
0.2457

 17.0883, 0.2762,
0.2320

Harmonies

Analogous

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



12.4418, 0.3813, 0.4098



12.4418, 0.3383, 0.4162



12.4418, 0.2904, 0.3936

Triad

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



12.4418, 0.3383, 0.4162



12.4418, 0.2260, 0.2676



12.4418, 0.3768, 0.3066

Complementary

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



12.4418, 0.3383, 0.4162



6.9753, 0.2793, 0.2395

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.



12.4418, 0.3302, 0.2750



12.4418, 0.3383, 0.4162



12.4418, 0.2448, 0.2522

Square

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



12.4418, 0.3383, 0.4162



12.4418, 0.2278, 0.3018



12.4418, 0.2818, 0.2555



12.4418, 0.4057, 0.3446

Rectangle

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



12.4418, 0.3383, 0.4162



12.4418, 0.2622, 0.3652



12.4418, 0.2818, 0.2555



12.4418, 0.3625, 0.2951

Sweetspot

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



12.4423, 0.3383, 0.4162



23.4733, 0.3205, 0.3531



9.5486, 0.3760, 0.3646



5.7080, 0.3213, 0.3556



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.



12.4423, 0.3383, 0.4162



21.3357, 0.3438, 0.4395



11.6590, 0.3123, 0.4236



3.2139, 0.3194, 0.3497



13.3938, 0.3512, 0.5594



69.3336, 0.3475, 0.5623

Inverse Universe

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



6.9753, 0.2793, 0.2395



10.0860, 0.2688, 0.2147



7.9021, 0.3111, 0.2474



2.8142, 0.3056, 0.3081



1.8572, 0.1914, 0.0828



9.1953, 0.1856, 0.0796

Previews

White Background



This preview shows how the Yxy color 12.4418, 0.3383, 0.4162 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 12.4418, 0.3383, 0.4162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

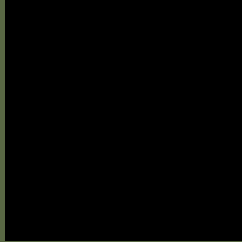
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.4418, 0.3383, 0.4162

Background



This preview shows how black text looks on a background with the Yxy color 12.4418, 0.3383, 0.4162.



This preview shows how white text looks on a background with the Yxy color 12.4418, 0.3383, 0.4162.

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

12.4418, 0.3383, 0.4162

Protanopia

12.4428, 0.3724, 0.4027

Deuteranopia

12.4085, 0.3860, 0.3821



Tritanopia

12.3649, 0.2950, 0.3109

Trichromacy



Original Color

12.4418, 0.3383, 0.4162

Protanomaly

12.4219, 0.3584, 0.4076

Deuteranomaly

12.2908, 0.3688, 0.3940

Tritanomaly

12.3730, 0.3104, 0.3478

Monochromacy



Original Color

12.4418, 0.3383, 0.4162

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.7184, 0.3233, 0.3601

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4418, 0.3383, 0.4162 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(89, 104, 68)` looks like.

```
.text, #text, p{  
    color:rgb(89, 104, 68)  
}
```

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(89, 104, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 104, 68) }
```

Border

The CSS property to change the border of an element to Yxy 12.4418, 0.3383, 0.4162 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(89, 104, 68) }
```

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

```
.border{ border-color:rgb(89, 104, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 104, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 104, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 104, 68);  
box-shadow:4px 4px 4px 4px rgb(89, 104,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4418, 0.3383, 0.4162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 104, 68) }
```

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

```
.background{ background-color: rgb(89, 104,  
68) }
```

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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