

Converting Colors

$Y_{xy}(12.9274, 0.3709, 0.4281)$

Have a look what the booklet for
Yxy(12.9274, 0.3709, 0.4281)
contains.

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Color

Yxy(12.8410, 0.3708, 0.4282)

Conversions

Conversions Part 1

Format	Color
Hex	66673B
RGB	102, 103, 59
RGB Percent	40%, 40%, 23%
CMY	0.6000, 0.5961, 0.7687
CMYK	0.01, 0.00, 0.43, 0.60
HSL	61°, 27%, 32%
HSV	61°, 43%, 40%
XYZ	11.1197, 12.8410, 6.0277
YIQ	97.6850, 13.5280, -13.8960

Conversions

Conversions Part 2

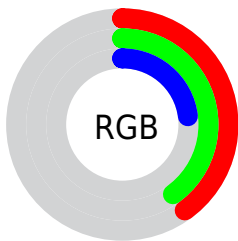
Format	Color
RYB	59, 103, 60
Decimal	6711099
CIELab	42.52, -7.71, 24.68
CIELCh	43, 25.854, 107.352
Yxy	12.8410, 0.3708, 0.4282
Android (android.graphics.Color)	4284901179 (0xFF66673B)
YUV	97.6850, -19.0717, 3.7843
Hunter-Lab	35.8343, -7.3202, 15.1109

Details

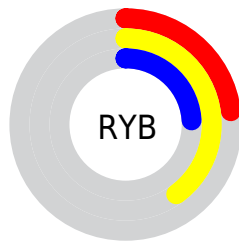
The Yxy color **12.8410, 0.3708, 0.4282** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.0652, 0.2403, 0.2073**, and the grayscale version is **12.1777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0428, 0.3575, 0.4030**, and **3.6471, 0.3942, 0.4758** is the 20% darker color. If you saturate the color by 10%, you get **12.7316, 0.3829, 0.4492**, and if you desaturate by 10%, it is **12.9727, 0.3576, 0.4055**.

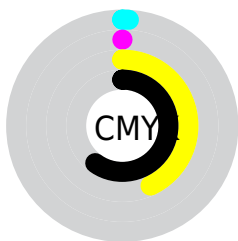
Distribution



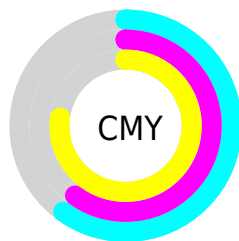
- Red (40%)
- Green (40%)
- Blue (23%)



- Red (23%)
- Yellow (40%)
- Blue (24%)



- Cyan (1%)
- Magenta (0%)
- Yellow (43%)
- Black (60%)




- Cyan (60%)
- Magenta (60%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8410, 0.3708, 0.4282 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 12.8410, 0.3708, 0.4282 by changing the saturation by 10% instead.

 12.8410, 0.3708,
0.4282


 12.8410, 0.3708,
0.4282


 209.8961, 0.3370,
0.3677


 7.3191, 0.3807,
0.4483


 31.0178, 0.3573,
0.4028


 3.6625, 0.3935,
0.4775


 44.4416, 0.3526,
0.3944

 1.4866, 0.4390,
0.5610

 61.2682, 0.3488,
0.3877

 0.2793, 0.2166,
0.7834

 81.8819, 0.3456,
0.3822

 0.0000, 0.0000,
0.0000

 106.6671, 0.3429,
0.3776

 136.0083, 0.3406,

0.3738

170.2899, 0.3387,
0.3705

■ 12.8410, 0.3708,
0.4282

■ 12.8410, 0.3708,
0.4282

■ 12.7316, 0.3829,
0.4492

■ 12.9727, 0.3576,
0.4055

■ 12.6414, 0.3936,
0.4678

■ 13.1262, 0.3439,
0.3820

■ 12.5698, 0.4023,
0.4832

■ 13.3030, 0.3300,
0.3584

■ 12.5151, 0.4087,
0.4950

■ 13.5041, 0.3164,
0.3352

■ 12.4752, 0.4130,
0.5030

■ 13.7305, 0.3032,
0.3130

■ 12.4491, 0.4156,
0.5082

■ 13.9830, 0.2908,
0.2920

■ 14.2626, 0.2792,
0.2724

■ 14.5700, 0.2684,
0.2543

■ 14.9059, 0.2585,
0.2377

Harmonies

Analogous

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



12.8410, 0.4104, 0.4040



12.8410, 0.3708, 0.4282



12.8410, 0.3176, 0.4227

Triad

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



12.8410, 0.3708, 0.4282



12.8410, 0.2131, 0.2783



12.8410, 0.3566, 0.2819

Complementary

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



12.8410, 0.3708, 0.4282



5.0652, 0.2403, 0.2073

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.



12.8410, 0.2999, 0.2537



12.8410, 0.3708, 0.4282



12.8410, 0.2212, 0.2491

Square

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



12.8410, 0.3708, 0.4282



12.8410, 0.2284, 0.3272



12.8410, 0.2513, 0.2416



12.8410, 0.4037, 0.3210

Rectangle

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



12.8410, 0.3708, 0.4282



12.8410, 0.2819, 0.3996



12.8410, 0.2513, 0.2416



12.8410, 0.3378, 0.2710

Sweetspot

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



12.8416, 0.3708, 0.4282



23.7985, 0.3309, 0.3599



6.4013, 0.4129, 0.3311



5.7923, 0.3333, 0.3639



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.



12.8416, 0.3708, 0.4282



22.8014, 0.3827, 0.4488



11.7329, 0.3368, 0.4406



3.2650, 0.3247, 0.3494



15.6605, 0.4156, 0.5082



81.6240, 0.4154, 0.5084

Inverse Universe

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



5.0652, 0.2403, 0.2073



6.8969, 0.2208, 0.1748



5.8870, 0.2773, 0.2186



2.7664, 0.3002, 0.3078



1.2487, 0.1512, 0.0607



6.4610, 0.1505, 0.0603

Previews

White Background



This preview shows how the Yxy color 12.8410, 0.3708, 0.4282 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 12.8410, 0.3708, 0.4282 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

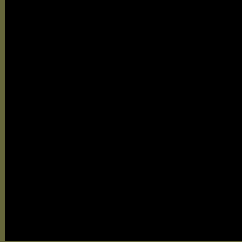
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.8410, 0.3708, 0.4282

Background



This preview shows how black text looks on a background with the Yxy color 12.8410, 0.3708, 0.4282.



This preview shows how white text looks on a background with the Yxy color 12.8410, 0.3708, 0.4282.

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

12.8410, 0.3708, 0.4282

Protanopia

12.7348, 0.3875, 0.4199

Deuteranopia

12.8402, 0.4066, 0.4000



Tritanopia

12.8811, 0.3164, 0.3140

Trichromacy



Original Color

12.8410, 0.3708, 0.4282

Protanomaly

12.7386, 0.3817, 0.4235

Deuteranomaly

12.8948, 0.3938, 0.4112

Tritanomaly

12.8222, 0.3370, 0.3558

Monochromacy



Original Color

12.8410, 0.3708, 0.4282

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.4071, 0.3335, 0.3660

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8410, 0.3708, 0.4282 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(102, 103, 59)` looks like.

```
.text, #text, p{  
    color:rgb(102, 103, 59)  
}
```

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(102, 103, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 103, 59) }
```

Border

The CSS property to change the border of an element to Yxy 12.8410, 0.3708, 0.4282 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(102, 103, 59) }
```

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

```
.border{ border-color:rgb(102, 103, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 103, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 103, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 103, 59);  
box-shadow:4px 4px 4px 4px rgb(102, 103,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8410, 0.3708, 0.4282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 103, 59) }
```

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

```
.background{ background-color: rgb(102,  
103, 59) }
```

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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