

Converting Colors

$Y_{xy}(12.2702, 0.3089, 0.4103)$

Have a look what the booklet for
Yxy(12.2702, 0.3089, 0.4103)
contains.

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Color

Yxy(12.2583, 0.3089, 0.4109)

Conversions

Conversions Part 1

Format	Color
Hex	4A6A4A
RGB	74, 106, 74
RGB Percent	29%, 42%, 29%
CMY	0.7097, 0.5843, 0.7098
CMYK	0.30, 0.00, 0.30, 0.58
HSL	120°, 18%, 35%
HSV	120°, 30%, 42%
XYZ	9.2154, 12.2583, 8.3592
YIQ	92.7840, -8.8000, -16.7360

Conversions

Conversions Part 2

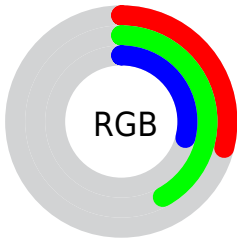
Format	Color
RYB	74, 106, 106
Decimal	4876874
CIELab	41.62, -18.68, 14.35
CIELCh	42, 23.553, 142.468
Yxy	12.2583, 0.3089, 0.4109
Android (android.graphics.Color)	4283066954 (0xFF4A6A4A)
YUV	92.7840, -9.2605, -16.4736
Hunter-Lab	35.0119, -14.2884, 10.3527

Details

The Yxy color **12.2583, 0.3089, 0.4109** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **9.0012, 0.3160, 0.2588**, and the grayscale version is **10.9181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8291, 0.3109, 0.3874**, and **3.3667, 0.3027, 0.4578** is the 20% darker color. If you saturate the color by 10%, you get **11.7420, 0.3074, 0.4434**, and if you desaturate by 10%, it is **12.8706, 0.3103, 0.3808**.

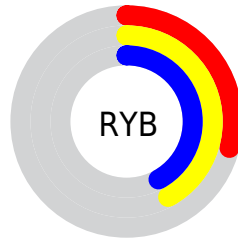
Distribution



Red (29%)

Green (42%)

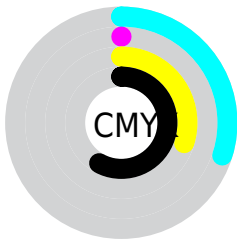
Blue (29%)



Red (29%)

Yellow (42%)

Blue (42%)

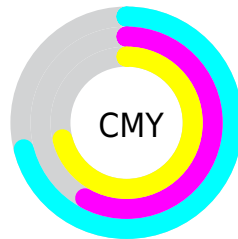


Cyan (30%)

Magenta (0%)

Yellow (30%)

Black (58%)



Cyan (71%)


Magenta (58%)

Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2583, 0.3089, 0.4109 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 12.2583, 0.3089, 0.4109 by changing the saturation by 10% instead.


 12.2583, 0.3089,
0.4109


 12.2583, 0.3089,
0.4109


206.1079, 0.3122,
0.3592


 6.9198, 0.3069,
0.4299


 29.9647, 0.3107,
0.3884


 3.4120, 0.3030,
0.4602

 43.1014, 0.3112,
0.3812

 1.3504, 0.3050,
0.5368

 59.6063, 0.3115,
0.3755

 0.1798, 0.0000,
1.0000

 79.8638, 0.3117,
0.3710

 0.0000, 0.0000,
0.0000

 104.2584, 0.3119,
0.3673

133.1743, 0.3120,

0.3641

166.9960, 0.3121,
0.3615

■ 12.2583, 0.3089,
0.4109

■ 12.2583, 0.3089,
0.4109

■ 11.7420, 0.3074,
0.4434

■ 12.8706, 0.3103,
0.3808

■ 11.3153, 0.3058,
0.4772

■ 13.5816, 0.3116,
0.3535

■ 10.9736, 0.3042,
0.5105


■ 14.3962, 0.3127,
0.3294

■ 10.7113, 0.3028,
0.5411


■ 15.3181, 0.3137,
0.3083

■ 10.5219, 0.3016,
0.5667


■ 16.3511, 0.3145,
0.2900

 10.3980, 0.3007,
0.5853

 17.4987, 0.3153,
0.2741

 10.3081, 0.3000,
0.6000

 18.7643, 0.3159,
0.2604

 20.1511, 0.3164,
0.2486

 21.6623, 0.3169,
0.2384

Harmonies

Analogous

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



12.2583, 0.3591, 0.4221



12.2583, 0.3089, 0.4109



12.2583, 0.2621, 0.3707

Triad

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



12.2583, 0.3089, 0.4109



12.2583, 0.2308, 0.2521



12.2583, 0.4020, 0.3288

Complementary

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



12.2583, 0.3089, 0.4109



9.0012, 0.3160, 0.2588

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.



12.2583, 0.3620, 0.2909



12.2583, 0.3089, 0.4109



12.2583, 0.2624, 0.2481

Square

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



12.2583, 0.3089, 0.4109



12.2583, 0.2196, 0.2762



12.2583, 0.3098, 0.2622



12.2583, 0.4154, 0.3693

Rectangle

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



12.2583, 0.3089, 0.4109



12.2583, 0.2387, 0.3362



12.2583, 0.3098, 0.2622



12.2583, 0.3911, 0.3155

Sweetspot

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



12.2588, 0.3089, 0.4109



23.9632, 0.3117, 0.3511



13.7566, 0.3557, 0.3985



5.5788, 0.3116, 0.3540



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.



12.2588, 0.3089, 0.4109



20.8802, 0.3079, 0.4328



12.4927, 0.2905, 0.3702



3.4449, 0.3117, 0.3504



12.7931, 0.3000, 0.6000



65.1848, 0.3000, 0.6000

Inverse Universe

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



9.0012, 0.3160, 0.2588



14.2019, 0.3167, 0.2432



8.7092, 0.3431, 0.2913



3.1638, 0.3137, 0.3084



5.0891, 0.3208, 0.1541



25.9295, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 12.2583, 0.3089, 0.4109 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 12.2583, 0.3089, 0.4109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

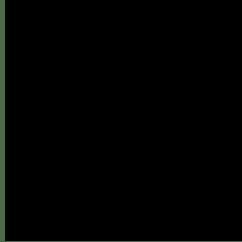
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2583, 0.3089, 0.4109

Background



This preview shows how black text looks on a background with the Yxy color 12.2583, 0.3089, 0.4109.



This preview shows how white text looks on a background with the Yxy color 12.2583, 0.3089, 0.4109.

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

12.2583, 0.3089, 0.4109

Protanopia

12.1808, 0.3641, 0.3926

Deuteranopia

12.1186, 0.3709, 0.3660



Tritanopia

12.1825, 0.2745, 0.3078

Trichromacy



Original Color

12.2583, 0.3089, 0.4109

Protanomaly

12.1420, 0.3434, 0.4007

Deuteranomaly

11.9098, 0.3457, 0.3806

Tritanomaly

12.1833, 0.2862, 0.3436

Monochromacy



Original Color

12.2583, 0.3089, 0.4109

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.3857, 0.3113, 0.3586

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2583, 0.3089, 0.4109 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(74, 106, 74)` looks like.

```
.text, #text, p{  
    color:rgb(74, 106, 74)  
}
```

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(74, 106, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 106, 74) }
```

Border

The CSS property to change the border of an element to Yxy 12.2583, 0.3089, 0.4109 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(74, 106, 74) }
```

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

```
.border{ border-color:rgb(74, 106, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 106, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 106, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 106, 74);  
box-shadow:4px 4px 4px 4px rgb(74, 106,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2583, 0.3089, 0.4109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 106, 74) }
```

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

```
.background{ background-color: rgb(74, 106,  
74) }
```

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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