

Converting Colors

$Y_{xy}(12.9834, 0.4232, 0.4890)$

Have a look what the booklet for
Yxy(12.9834, 0.4232, 0.4890)
contains.

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Color

Yxy(12.9834, 0.4232, 0.4890)

Conversions

Conversions Part 1

Format	Color
Hex	6D670E
RGB	109, 103, 14
RGB Percent	43%, 40%, 5%
CMY	0.5726, 0.5961, 0.9449
CMYK	0.00, 0.06, 0.87, 0.57
HSL	56°, 77%, 24%
HSV	56°, 87%, 43%
XYZ	11.2363, 12.9834, 2.3312
YIQ	94.6480, 32.1450, -26.4070

Conversions

Conversions Part 2

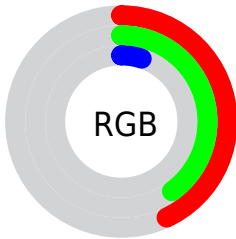
Format	Color
R_{YB}	20, 109, 14
Decimal	7169806
CIE Lab	42.74, -7.79, 45.74
CIE LCh	43, 46.396, 99.662
Yxy	12.9834, 0.4232, 0.4890
Android (android.graphics.Color)	4285359886 (0xFF6D670E)
YUV	94.6480, -39.7595, 12.5867
Hunter-Lab	36.0325, -7.3935, 21.3869

Details

The Yxy color **12.9834, 0.4232, 0.4890** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.7001, 0.1636, 0.0871**, and the grayscale version is **11.4479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.3030, 0.4018, 0.4545**, and **3.7279, 0.4246, 0.5011** is the 20% darker color. If you saturate the color by 10%, you get **12.8227, 0.4287, 0.4949**, and if you desaturate by 10%, it is **13.1597, 0.4158, 0.4800**.

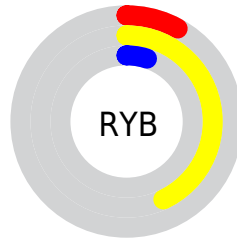
Distribution



Red (43%)

Green (40%)

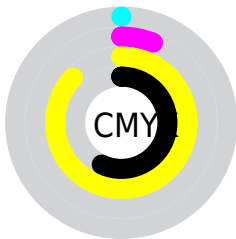
Blue (5%)



Red (8%)

Yellow (43%)

Blue (5%)

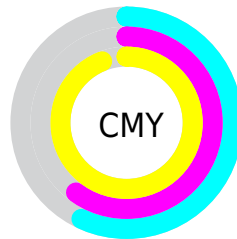


Cyan (0%)

Magenta (6%)

Yellow (87%)

Black (57%)



Cyan (57%)


Magenta (60%)

Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9834, 0.4232, 0.4890 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 12.9834, 0.4232, 0.4890 by changing the saturation by 10% instead.


 12.9834, 0.4232,
0.4890


 12.9834, 0.4232,
0.4890


 210.8113, 0.3636,
0.3968


 7.4171, 0.4353,
0.5129


 31.2740, 0.4022,
0.4537


 3.7243, 0.4516,
0.5484

 44.7670, 0.3939,
0.4408


 1.5206, 0.4389,
0.5611

 61.6711, 0.3867,
0.4301

 0.3031, 0.2444,
0.7556


 82.3707, 0.3807,
0.4212


 0.0000, 0.0000,
0.0000

 107.2501, 0.3755,
0.4136


 136.6937, 0.3709,


0.4072

 171.0860, 0.3670,
0.4016


 12.9834, 0.4232,
0.4890


 12.9834, 0.4232,
0.4890


 12.8227, 0.4287,
0.4949


 13.1597, 0.4158,
0.4800

 12.7765, 0.4302,
0.4966

 13.3548, 0.4061,
0.4671

 13.5713, 0.3944,
0.4508

 13.8110, 0.3812,
0.4318

 14.0752, 0.3669,
0.4109

■ 14.3654, 0.3521,
0.3889

■ 14.6828, 0.3372,
0.3664

■ 15.0286, 0.3227,
0.3443

■ 15.4039, 0.3088,
0.3229

Harmonies

Analogous

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



12.9834, 0.4876, 0.4263



12.9834, 0.4232, 0.4890



12.9834, 0.3357, 0.5129

Triad

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



12.9834, 0.4232, 0.4890



12.9834, 0.1524, 0.2530



12.9834, 0.3619, 0.2367

Complementary

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



12.9834, 0.4232, 0.4890



1.7001, 0.1636, 0.0871

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.



12.9834, 0.2639, 0.1992



12.9834, 0.4232, 0.4890



12.9834, 0.1573, 0.2016

Square

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



12.9834, 0.4232, 0.4890



12.9834, 0.1814, 0.3469



12.9834, 0.1938, 0.1862



12.9834, 0.4573, 0.2923

Rectangle

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



12.9834, 0.4232, 0.4890



12.9834, 0.2751, 0.4851



12.9834, 0.1938, 0.1862



12.9834, 0.3274, 0.2217

Sweetspot

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



12.9840, 0.4232, 0.4890



25.7451, 0.3515, 0.3880



3.6186, 0.5865, 0.3218



5.9594, 0.3552, 0.3936



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



12.9840, 0.4232, 0.4890



22.8118, 0.4305, 0.4963



12.1926, 0.3526, 0.5427



3.5525, 0.3253, 0.3483



14.9314, 0.4303, 0.4965



75.6040, 0.4310, 0.4960

Inverse Universe

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



1.7001, 0.1636, 0.0871



2.1729, 0.1515, 0.0653



2.2375, 0.2104, 0.1045



3.0530, 0.2997, 0.3089



1.4522, 0.1519, 0.0666



6.9351, 0.1508, 0.0629

Previews

White Background



This preview shows how the Yxy color 12.9834, 0.4232, 0.4890 looks on a white background.

Color Contrast Check

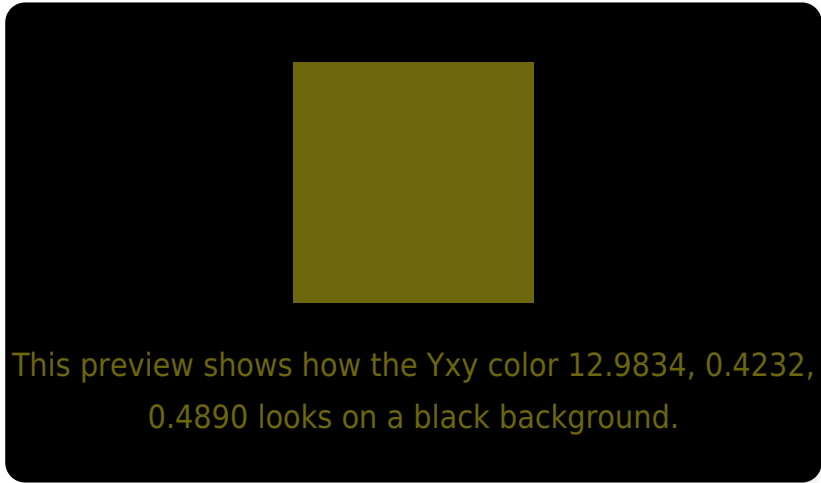
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

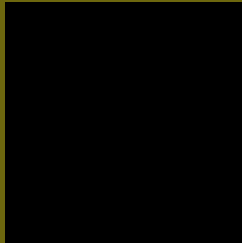
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9834, 0.4232, 0.4890

Background



This preview shows how black text looks on a background with the Yxy color 12.9834, 0.4232, 0.4890.



This preview shows how white text looks on a background with the Yxy color 12.9834, 0.4232, 0.4890.

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

12.9834, 0.4232, 0.4890

Protanopia

12.9165, 0.4342, 0.4805

Deuteranopia

12.9283, 0.4590, 0.4543



Tritanopia

12.9899, 0.3317, 0.3145

Trichromacy



Original Color

12.9834, 0.4232, 0.4890

Protanomaly

12.9792, 0.4295, 0.4842

Deuteranomaly

12.9604, 0.4446, 0.4679

Tritanomaly

12.8893, 0.3750, 0.3895

Monochromacy



Original Color

12.9834, 0.4232, 0.4890

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.8380, 0.3617, 0.4037

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9834, 0.4232, 0.4890 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(109, 103, 14)` looks like.

```
.text, #text, p{  
    color:rgb(109, 103, 14)  
}
```

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(109, 103, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 103, 14) }
```

Border

The CSS property to change the border of an element to Yxy 12.9834, 0.4232, 0.4890 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(109, 103, 14) }
```

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

```
.border{ border-color:rgb(109, 103, 14) }
```

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

Here you see how a box with a 4 pixel rgb(109, 103, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 103, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 103, 14);  
box-shadow:4px 4px 4px 4px rgb(109, 103,  
14) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9834, 0.4232, 0.4890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 103, 14) }
```

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

```
.background{ background-color: rgb(109,  
103, 14) }
```

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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