

Converting Colors

$Y_{xy}(12.4638, 0.4290, 0.4829)$

Have a look what the booklet for
Yxy(12.4638, 0.4290, 0.4829)
contains.

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Color

Yxy(12.4638, 0.4290, 0.4829)

Conversions

Conversions Part 1

Format	Color
Hex	6E640F
RGB	110, 100, 15
RGB Percent	43%, 39%, 6%
CMY	0.5687, 0.6078, 0.9412
CMYK	0.00, 0.09, 0.86, 0.57
HSL	54°, 76%, 25%
HSV	54°, 86%, 43%
XYZ	11.0726, 12.4638, 2.2739
YIQ	93.3000, 33.2450, -24.3150

Conversions

Conversions Part 2

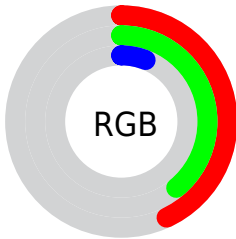
Format	Color
R _Y B	26, 110, 15
Decimal	7234575
CIE Lab	41.94, -5.56, 44.83
CIE LCh	42, 45.171, 97.072
Yxy	12.4638, 0.4290, 0.4829
Android (android.graphics.Color)	4285424655 (0xFF6E640F)
YUV	93.3000, -38.6019, 14.6459
Hunter-Lab	35.3041, -5.7982, 20.8941

Details

The Yxy color **12.4638, 0.4290, 0.4829** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.9214, 0.1661, 0.0950**, and the grayscale version is **11.1065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5378, 0.4065, 0.4498**, and **3.5681, 0.4328, 0.4945** is the 20% darker color. If you saturate the color by 10%, you get **12.2185, 0.4357, 0.4884**, and if you desaturate by 10%, it is **12.7278, 0.4203, 0.4740**.

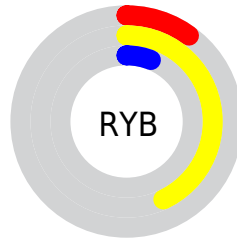
Distribution



Red (43%)

Green (39%)

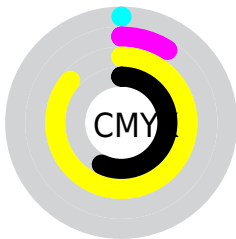
Blue (6%)



Red (10%)

Yellow (43%)

Blue (6%)

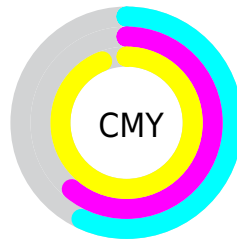


Cyan (0%)

Magenta (9%)

Yellow (86%)

Black (57%)



Cyan (57%)

Magenta (61%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.4638, 0.4290, 0.4829 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 12.4638, 0.4290, 0.4829 by changing the saturation by 10% instead.

12.4638, 0.4290,
0.4829

12.4638, 0.4290,
0.4829

207.4520, 0.3651,
0.3944

7.0604, 0.4429,
0.5057

30.3371, 0.4061,
0.4492

3.4999, 0.4614,
0.5386

43.5757, 0.3971,
0.4367

1.3979, 0.4520,
0.5480

60.1948, 0.3895,
0.4265

0.2152, 0.2422,
0.7578


80.5788, 0.3831,
0.4179


0.0000, 0.0000,
0.0000


105.1122, 0.3776,
0.4106


134.1793, 0.3729,

0.4044


 168.1644, 0.3687,
0.3990


 12.4638, 0.4290,
0.4829

 12.4638, 0.4290,
0.4829

 12.2185, 0.4357,
0.4884


 12.7278, 0.4203,
0.4740

 12.1305, 0.4381,
0.4904

 13.0132, 0.4092,
0.4613

 13.3226, 0.3963,
0.4452

 13.6577, 0.3820,
0.4266

 14.0201, 0.3669,
0.4062

■ 14.4112, 0.3516,
0.3848

■ 14.8322, 0.3364,
0.3633

■ 15.2843, 0.3217,
0.3421

■ 15.7688, 0.3077,
0.3217

Harmonies

Analogous

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



12.4638, 0.4894, 0.4198



12.4638, 0.4290, 0.4829



12.4638, 0.3436, 0.5111

Triad

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



12.4638, 0.4290, 0.4829



12.4638, 0.1551, 0.2605



12.4638, 0.3525, 0.2336

Complementary

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



12.4638, 0.4290, 0.4829



1.9214, 0.1661, 0.0950

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.



12.4638, 0.2572, 0.1984



12.4638, 0.4290, 0.4829



12.4638, 0.1572, 0.2059

Square

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



12.4638, 0.4290, 0.4829



12.4638, 0.1871, 0.3564



12.4638, 0.1906, 0.1878



12.4638, 0.4486, 0.2876

Rectangle

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



12.4638, 0.4290, 0.4829



12.4638, 0.2833, 0.4885



12.4638, 0.1906, 0.1878



12.4638, 0.3187, 0.2194

Sweetspot

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



12.4644, 0.4290, 0.4829



25.2916, 0.3521, 0.3856



3.7307, 0.5722, 0.3145



5.8442, 0.3560, 0.3910



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.



12.4644, 0.4290, 0.4829



21.2071, 0.4386, 0.4899



12.6226, 0.3594, 0.5367



3.8593, 0.3255, 0.3477



14.5516, 0.4383, 0.4902



71.7420, 0.4394, 0.4893

Inverse Universe

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



1.9214, 0.1661, 0.0950



2.3189, 0.1526, 0.0692



2.1816, 0.2034, 0.1015



3.3517, 0.2996, 0.3096



1.6300, 0.1530, 0.0709



7.4753, 0.1516, 0.0659

Previews

White Background



This preview shows how the Yxy color 12.4638, 0.4290, 0.4829 looks on a white background.

Color Contrast Check

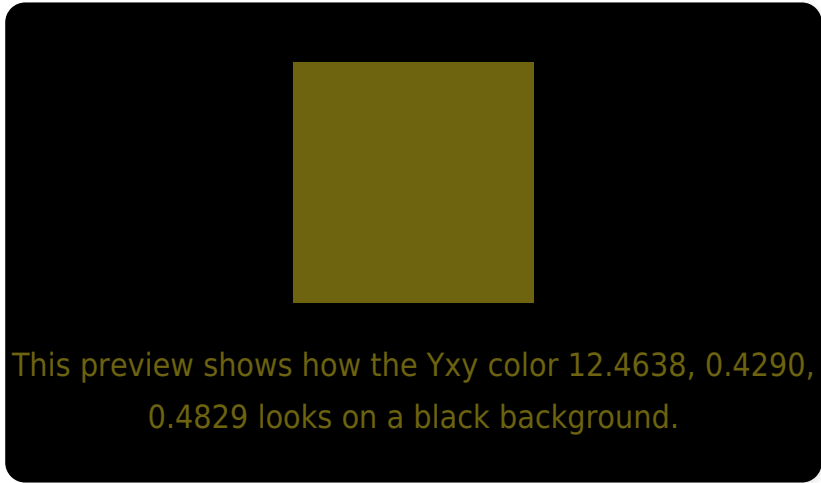
Large Text (above 18pt) WCAG AA ✓ Pass

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

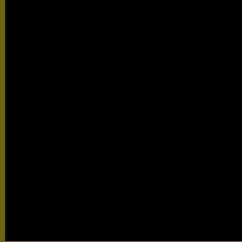
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.4638, 0.4290, 0.4829

Background



This preview shows how black text looks on a background with the Yxy color 12.4638, 0.4290, 0.4829.



This preview shows how white text looks on a background with the Yxy color 12.4638, 0.4290, 0.4829.

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

12.4638, 0.4290, 0.4829

Protanopia

12.4029, 0.4338, 0.4791

Deuteranopia

12.4124, 0.4601, 0.4540



Tritanopia

12.4618, 0.3385, 0.3144

Trichromacy



Original Color

12.4638, 0.4290, 0.4829

Protanomaly

12.3377, 0.4322, 0.4803

Deuteranomaly

12.4025, 0.4496, 0.4633

Tritanomaly

12.3728, 0.3818, 0.3873

Monochromacy



Original Color

12.4638, 0.4290, 0.4829

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.4000, 0.3628, 0.4022

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4638, 0.4290, 0.4829 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(110, 100, 15)` looks like.

```
.text, #text, p{  
    color:rgb(110, 100, 15)  
}
```

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(110, 100, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 100, 15) }
```

Border

The CSS property to change the border of an element to Yxy 12.4638, 0.4290, 0.4829 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(110, 100, 15) }
```

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

```
.border{ border-color:rgb(110, 100, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 100, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 100, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 100, 15);  
box-shadow:4px 4px 4px 4px rgb(110, 100,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4638, 0.4290, 0.4829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 100, 15) }
```

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

```
.background{ background-color: rgb(110,  
100, 15) }
```

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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