

Converting Colors

$Y_{xy}(12.4581, 0.4786, 0.4283)$

Have a look what the booklet for
Yxy(12.4581, 0.4786, 0.4283)
contains.

Yxy(12.4581, 0.4786, 0.4283)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(12.4581, 0.4786, 0.4283)$

Conversions

Conversions Part 1

Format	Color
Hex	88591B
RGB	136, 89, 27
RGB Percent	53%, 35%, 11%
CMY	0.4667, 0.6509, 0.8941
CMYK	0.00, 0.35, 0.80, 0.47
HSL	34°, 67%, 32%
HSV	34°, 80%, 53%
XYZ	13.9212, 12.4581, 2.7080
YIQ	95.9850, 47.9140, -9.3180

Conversions

Conversions Part 2

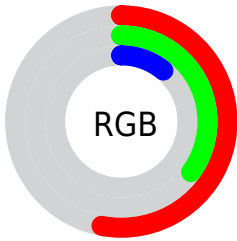
Format	Color
R _Y B	110, 136, 27
Decimal	8935707
CIE Lab	41.94, 13.84, 41.51
CIE LCh	42, 43.756, 71.558
Yxy	12.4581, 0.4786, 0.4283
Android (android.graphics.Color)	4287125787 (0xFF88591B)
YUV	95.9850, -34.0096, 35.0932
Hunter-Lab	35.2960, 8.6345, 20.1583

Details

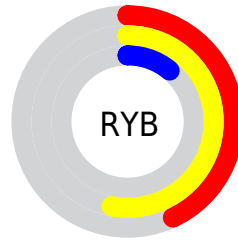
The Yxy color **12.4581, 0.4786, 0.4283** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **6.9038, 0.1908, 0.1794**, and the grayscale version is **11.7693, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3245, 0.4406, 0.4107**, and **3.5216, 0.5223, 0.4235** is the 20% darker color. If you saturate the color by 10%, you get **11.4726, 0.4991, 0.4295**, and if you desaturate by 10%, it is **13.5517, 0.4558, 0.4224**.

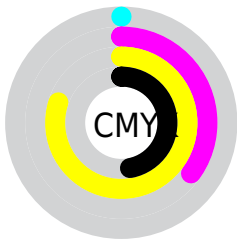
Distribution



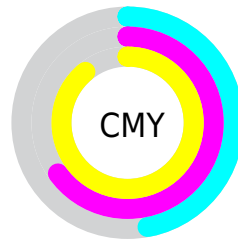
- Red (53%)
- Green (35%)
- Blue (11%)



- Red (43%)
- Yellow (53%)
- Blue (11%)



- Cyan (0%)
- Magenta (35%)
- Yellow (80%)
- Black (47%)




- Cyan (47%)
- Magenta (65%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.4581, 0.4786, 0.4283 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 12.4581, 0.4786, 0.4283 by changing the saturation by 10% instead.


 12.4581, 0.4786,
0.4283


 12.4581, 0.4786,
0.4283


207.4149, 0.3821,
0.3770


 7.0565, 0.5044,
0.4369


 30.3267, 0.4411,
0.4111


 3.4974, 0.5481,
0.4519

 43.5625, 0.4276,
0.4040


 1.3966, 0.5685,
0.4315

 60.1785, 0.4165,
0.3978

 0.2142, 0.7165,
0.2835


 80.5591, 0.4072,
0.3924


 0.0000, 0.0000,
0.0000


 105.0886, 0.3995,
0.3877

 134.1515, 0.3928,


0.3837

 168.1321, 0.3871,
0.3801

 12.4581, 0.4786,
0.4283


 12.4581, 0.4786,
0.4283


 11.4726, 0.4991,
0.4295


 13.5517, 0.4558,
0.4224

 10.5929, 0.5175,
0.4273

 14.7567, 0.4321,
0.4127

 16.0786, 0.4085,
0.4004

 17.5218, 0.3859,
0.3865

 19.0901, 0.3648,
0.3718

■ 20.7876, 0.3456,
0.3571

■ 22.6176, 0.3283,
0.3428

■ 24.5836, 0.3129,
0.3292

■ 26.6890, 0.2993,
0.3164

Harmonies

Analogous

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



12.4581, 0.4976, 0.3618



12.4581, 0.4786, 0.4283



12.4581, 0.4152, 0.4863

Triad

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



12.4581, 0.4786, 0.4283



12.4581, 0.1836, 0.3399



12.4581, 0.2714, 0.2053

Complementary

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



12.4581, 0.4786, 0.4283



6.9038, 0.1908, 0.1794

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.



12.4581, 0.2015, 0.1911



12.4581, 0.4786, 0.4283



12.4581, 0.1573, 0.2523

Square

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



12.4581, 0.4786, 0.4283



12.4581, 0.2452, 0.4450



12.4581, 0.1638, 0.2045



12.4581, 0.3664, 0.2430

Rectangle

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



12.4581, 0.4786, 0.4283



12.4581, 0.3597, 0.5050



12.4581, 0.1638, 0.2045



12.4581, 0.2446, 0.1978

Sweetspot

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



12.4587, 0.4786, 0.4283



35.3064, 0.3538, 0.3635



6.5141, 0.4630, 0.2559



7.9615, 0.3598, 0.3681



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



12.4587, 0.4786, 0.4283



18.9704, 0.5131, 0.4270



22.3266, 0.4026, 0.4991



5.4899, 0.3267, 0.3414



10.0477, 0.5172, 0.4275



0.0959, 0.4657, 0.4685

Inverse Universe

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



6.9038, 0.1908, 0.1794



8.8914, 0.1742, 0.1437



2.9058, 0.1722, 0.0909



5.2236, 0.2991, 0.3162



4.6234, 0.1723, 0.1404



0.0589, 0.1949, 0.2216

Previews

White Background



This preview shows how the Yxy color 12.4581, 0.4786, 0.4283 looks on a white background.

Color Contrast Check

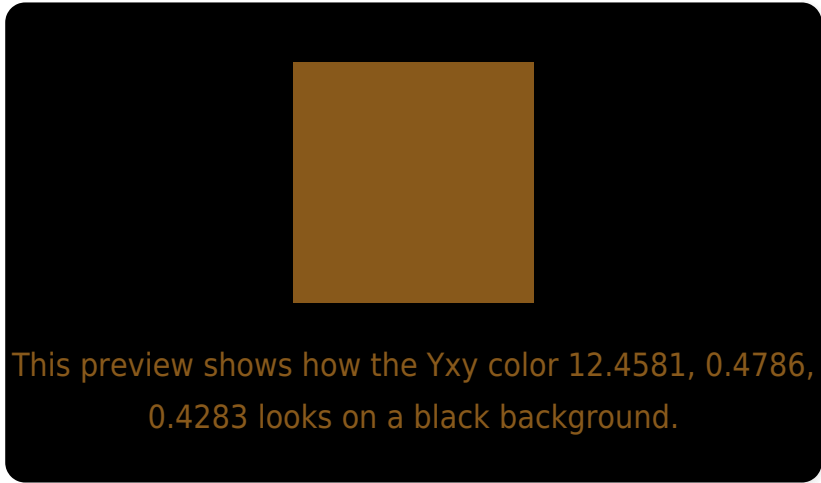
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.4581, 0.4786, 0.4283

Background



This preview shows how black text looks on a background with the Yxy color 12.4581, 0.4786, 0.4283.



This preview shows how white text looks on a background with the Yxy color 12.4581, 0.4786, 0.4283.

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

12.4581, 0.4786, 0.4283

Protanopia

12.5876, 0.4203, 0.4663

Deuteranopia

12.4356, 0.4557, 0.4485



Tritanopia

12.3967, 0.3989, 0.3181

Trichromacy



Original Color

12.4581, 0.4786, 0.4283

Protanomaly

12.4475, 0.4415, 0.4523

Deuteranomaly

12.3960, 0.4643, 0.4404

Tritanomaly

12.2936, 0.4358, 0.3642

Monochromacy



Original Color

12.4581, 0.4786, 0.4283

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.6631, 0.3760, 0.3778

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4581, 0.4786, 0.4283 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(136, 89, 27)` looks like.

```
.text, #text, p{  
    color:rgb(136, 89, 27)  
}
```

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(136, 89, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 89, 27) }
```

Border

The CSS property to change the border of an element to Yxy 12.4581, 0.4786, 0.4283 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(136, 89, 27) }
```

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

```
.border{ border-color:rgb(136, 89, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 89, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 89, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 89, 27);  
box-shadow:4px 4px 4px 4px rgb(136, 89,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4581, 0.4786, 0.4283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 89, 27) }
```

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

```
.background{ background-color: rgb(136, 89,  
27) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor