

Converting Colors

$Y_{xy}(12.6579, 0.4855, 0.4163)$

Have a look what the booklet for
Yxy(12.6579, 0.4855, 0.4163)
contains.

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Color

Yxy(12.6661, 0.4866, 0.4161)

Conversions

Conversions Part 1

Format	Color
Hex	8E571F
RGB	142, 87, 31
RGB Percent	56%, 34%, 12%
CMY	0.4431, 0.6588, 0.8783
CMYK	0.00, 0.39, 0.78, 0.44
HSL	30°, 64%, 34%
HSV	30°, 78%, 56%
XYZ	14.8121, 12.6661, 2.9618
YIQ	97.0610, 50.7560, -5.7560

Conversions

Conversions Part 2

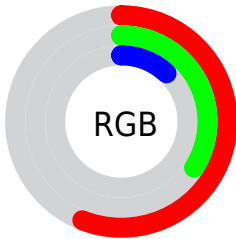
Format	Color
RYB	140, 142, 31
Decimal	9328415
CIELab	42.26, 17.97, 40.29
CIELCh	42, 44.116, 65.968
Yxy	12.6661, 0.4866, 0.4161
Android (android.graphics.Color)	4287518495 (0xFF8E571F)
YUV	97.0610, -32.5681, 39.4115
Hunter-Lab	35.5895, 12.0091, 19.9784

Details

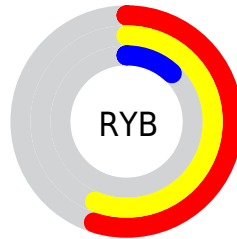
The Yxy color **12.6661, 0.4866, 0.4161** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **8.9053, 0.1971, 0.2000**, and the grayscale version is **12.0430, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7352, 0.4471, 0.4021**, and **3.6121, 0.5377, 0.4112** is the 20% darker color. If you saturate the color by 10%, you get **11.5229, 0.5108, 0.4168**, and if you desaturate by 10%, it is **13.9547, 0.4604, 0.4108**.

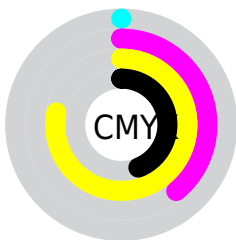
Distribution



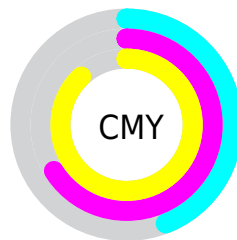
- Red (56%)
- Green (34%)
- Blue (12%)



- Red (55%)
- Yellow (56%)
- Blue (12%)



- Cyan (0%)
- Magenta (39%)
- Yellow (78%)
- Black (44%)




- Cyan (44%)
- Magenta (66%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6661, 0.4866, 0.4161 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 12.6661, 0.4866, 0.4161 by changing the saturation by 10% instead.


 12.6661, 0.4866,
0.4161


 12.6661, 0.4866,
0.4161


208.7665, 0.3849,
0.3726


 7.1990, 0.5146,
0.4223


 30.7026, 0.4467,
0.4022


 3.5869, 0.5645,
0.4355

 44.0408, 0.4324,
0.3961

 1.4453, 0.5895,
0.4105

 60.7715, 0.4208,
0.3908

 0.2497, 0.7302,
0.2698

 81.2792, 0.4111,
0.3862

 0.0000, 0.0000,
0.0000

 105.9481, 0.4030,
0.3821


 135.1627, 0.3960,

0.3785


 169.3074, 0.3901,
0.3754


 12.6661, 0.4866,
0.4161

 12.6661, 0.4866,
0.4161


 11.5229, 0.5108,
0.4168

 13.9547, 0.4604,
0.4108

 10.5121, 0.5323,
0.4130

 15.3938, 0.4339,
0.4019

 10.3377, 0.5364,
0.4123

 16.9901, 0.4081,
0.3906

 18.7495, 0.3841,
0.3779

 20.6774, 0.3622,
0.3647

■ 22.7788, 0.3426,
0.3515

■ 25.0586, 0.3253,
0.3388

■ 27.5214, 0.3101,
0.3268

■ 30.1717, 0.2967,
0.3157

Harmonies

Analogous

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



12.6661, 0.4950, 0.3495



12.6661, 0.4866, 0.4161



12.6661, 0.4295, 0.4776

Triad

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



12.6661, 0.4866, 0.4161



12.6661, 0.1922, 0.3598



12.6661, 0.2558, 0.2005

Complementary

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



12.6661, 0.4866, 0.4161



8.9053, 0.1971, 0.2000

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.



12.6661, 0.1918, 0.1911



12.6661, 0.4866, 0.4161



12.6661, 0.1592, 0.2654

Square

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



12.6661, 0.4866, 0.4161



12.6661, 0.2597, 0.4618



12.6661, 0.1600, 0.2103



12.6661, 0.3479, 0.2342

Rectangle

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



12.6661, 0.4866, 0.4161



12.6661, 0.3759, 0.5028



12.6661, 0.1600, 0.2103



12.6661, 0.2309, 0.1945

Sweetspot

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



12.6668, 0.4866, 0.4161



38.1526, 0.3528, 0.3585



7.4128, 0.4391, 0.2438



8.2601, 0.3592, 0.3627



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



12.6668, 0.4866, 0.4161



18.9120, 0.5273, 0.4137



25.1989, 0.4107, 0.4909



5.8454, 0.3270, 0.3401



9.3175, 0.5358, 0.4128



0.1331, 0.4759, 0.4603

Inverse Universe

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



8.9053, 0.1971, 0.2000



11.9826, 0.1810, 0.1671



3.2260, 0.1694, 0.0920



5.6688, 0.2990, 0.3176



5.7661, 0.1779, 0.1606



0.0991, 0.1994, 0.2378

Previews

White Background



This preview shows how the Yxy color 12.6661, 0.4866, 0.4161 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 12.6661, 0.4866, 0.4161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

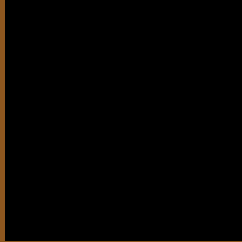
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.6661, 0.4866, 0.4161

Background



This preview shows how black text looks on a background with the Yxy color 12.6661, 0.4866, 0.4161.



This preview shows how white text looks on a background with the Yxy color 12.6661, 0.4866, 0.4161.

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

12.6661, 0.4866, 0.4161

Protanopia

12.6804, 0.4174, 0.4586

Deuteranopia

12.7039, 0.4532, 0.4461



Tritanopia

12.5927, 0.4135, 0.3187

Trichromacy



Original Color

12.6661, 0.4866, 0.4161

Protanomaly

12.5109, 0.4430, 0.4417

Deuteranomaly

12.6485, 0.4661, 0.4346

Tritanomaly

12.5211, 0.4455, 0.3574

Monochromacy



Original Color

12.6661, 0.4866, 0.4161

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.8205, 0.3762, 0.3728

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6661, 0.4866, 0.4161 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(142, 87, 31)` looks like.

```
.text, #text, p{  
    color:rgb(142, 87, 31)  
}
```

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(142, 87, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 87, 31) }
```

Border

The CSS property to change the border of an element to Yxy 12.6661, 0.4866, 0.4161 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(142, 87, 31) }
```

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

```
.border{ border-color:rgb(142, 87, 31) }
```

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

Here you see how a box with a 4 pixel rgb(142, 87, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 87, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 87, 31);  
box-shadow:4px 4px 4px 4px rgb(142, 87,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6661, 0.4866, 0.4161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 87, 31) }
```

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

```
.background{ background-color: rgb(142, 87,  
31) }
```

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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