

Converting Colors

$Y_{xy}(12.2791, 0.4798, 0.4358)$

Have a look what the booklet for
Yxy(12.2791, 0.4798, 0.4358)
contains.

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Color

Yxy(12.2672, 0.4806, 0.4355)

Conversions

Conversions Part 1

Format	Color
Hex	865915
RGB	134, 89, 21
RGB Percent	53%, 35%, 8%
CMY	0.4746, 0.6509, 0.9177
CMYK	0.00, 0.34, 0.84, 0.47
HSL	36°, 73%, 30%
HSV	36°, 84%, 53%
XYZ	13.5376, 12.2672, 2.3633
YIQ	94.7030, 48.6480, -11.6080

Conversions

Conversions Part 2

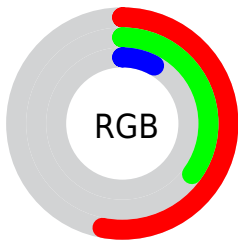
Format	Color
RYB	96, 134, 21
Decimal	8804629
CIELab	41.64, 12.68, 43.59
CIELCh	42, 45.393, 73.779
Yxy	12.2672, 0.4806, 0.4355
Android (android.graphics.Color)	4286994709 (0xFF865915)
YUV	94.7030, -36.3356, 34.4635
Hunter-Lab	35.0246, 7.7003, 20.5166

Details

The Yxy color **12.2672, 0.4806, 0.4355** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **5.7730, 0.1840, 0.1619**, and the grayscale version is **11.4489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.9965, 0.4429, 0.4171**, and **3.4332, 0.5184, 0.4266** is the 20% darker color. If you saturate the color by 10%, you get **11.3745, 0.4984, 0.4355**, and if you desaturate by 10%, it is **13.2516, 0.4602, 0.4308**.

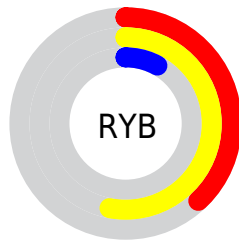
Distribution



Red (53%)

Green (35%)

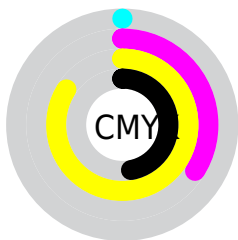
Blue (8%)



Red (38%)

Yellow (53%)

Blue (8%)

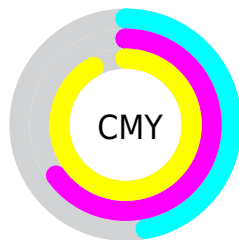


Cyan (0%)

Magenta (34%)

Yellow (84%)

Black (47%)



Cyan (47%)

Magenta (65%)

Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2672, 0.4806, 0.4355 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 12.2672, 0.4806, 0.4355 by changing the saturation by 10% instead.


 12.2672, 0.4806,
0.4355


 12.2672, 0.4806,
0.4355


206.1663, 0.3837,
0.3805


 6.9259, 0.5060,
0.4448


 29.9808, 0.4434,
0.4173


 3.4158, 0.5436,
0.4564

 43.1220, 0.4298,
0.4096

 1.3525, 0.5628,
0.4372

 59.6319, 0.4186,
0.4029

 0.1813, 0.7266,
0.2734

 79.8949, 0.4092,
0.3971

 0.0000, 0.0000,
0.0000


 104.2954, 0.4013,
0.3921


 133.2179, 0.3946,


0.3877

 167.0468, 0.3888,
0.3839


 12.2672, 0.4806,
0.4355


 12.2672, 0.4806,
0.4355


 11.3745, 0.4984,
0.4355


 13.2516, 0.4602,
0.4308

 10.9008, 0.5082,
0.4347

 14.3313, 0.4382,
0.4219

 15.5114, 0.4156,
0.4098

 16.7956, 0.3935,
0.3958

 18.1878, 0.3724,
0.3806

■ 19.6914, 0.3529,
0.3651

■ 21.3095, 0.3351,
0.3498

■ 23.0452, 0.3191,
0.3351

■ 24.9015, 0.3048,
0.3212

Harmonies

Analogous

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



12.2672, 0.5055, 0.3667



12.2672, 0.4806, 0.4355



12.2672, 0.4119, 0.4952

Triad

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



12.2672, 0.4806, 0.4355



12.2672, 0.1755, 0.3319



12.2672, 0.2762, 0.2033

Complementary

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



12.2672, 0.4806, 0.4355



5.7730, 0.1840, 0.1619

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.



12.2672, 0.2017, 0.1867



12.2672, 0.4806, 0.4355



12.2672, 0.1515, 0.2437

Square

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



12.2672, 0.4806, 0.4355



12.2672, 0.2362, 0.4433



12.2672, 0.1607, 0.1979



12.2672, 0.3761, 0.2436

Rectangle

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



12.2672, 0.4806, 0.4355



12.2672, 0.3536, 0.5130



12.2672, 0.1607, 0.1979



12.2672, 0.2477, 0.1949

Sweetspot

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



12.2678, 0.4806, 0.4355



34.3686, 0.3552, 0.3670



5.9989, 0.4853, 0.2626



7.5622, 0.3609, 0.3716



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



12.2678, 0.4806, 0.4355



18.9072, 0.5106, 0.4327



21.2884, 0.3995, 0.5068



5.1201, 0.3266, 0.3421



10.2392, 0.5079, 0.4349



0.0498, 0.4609, 0.4722

Inverse Universe

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



5.7730, 0.1840, 0.1619



7.2913, 0.1685, 0.1265



2.5687, 0.1696, 0.0842



4.8263, 0.2992, 0.3156



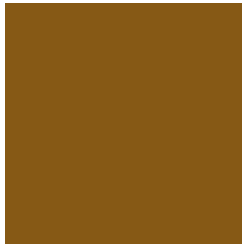
4.0481, 0.1697, 0.1308



0.0276, 0.1924, 0.2127

Previews

White Background



This preview shows how the Yxy color 12.2672, 0.4806, 0.4355 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 12.2672, 0.4806, 0.4355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

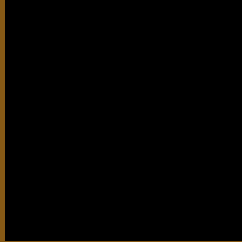
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2672, 0.4806, 0.4355

Background



This preview shows how black text looks on a background with the Yxy color 12.2672, 0.4806, 0.4355.



This preview shows how white text looks on a background with the Yxy color 12.2672, 0.4806, 0.4355.

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

12.2672, 0.4806, 0.4355

Protanopia

12.3691, 0.4266, 0.4719

Deuteranopia

12.3342, 0.4592, 0.4559



Tritanopia

12.3111, 0.3973, 0.3181

Trichromacy



Original Color

12.2672, 0.4806, 0.4355

Protanomaly

12.1682, 0.4464, 0.4582

Deuteranomaly

12.2905, 0.4680, 0.4478

Tritanomaly

12.1855, 0.4376, 0.3680

Monochromacy



Original Color

12.2672, 0.4806, 0.4355

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.4973, 0.3773, 0.3851

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2672, 0.4806, 0.4355 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(134, 89, 21)` looks like.

```
.text, #text, p{  
    color:rgb(134, 89, 21)  
}
```

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(134, 89, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 89, 21) }
```

Border

The CSS property to change the border of an element to Yxy 12.2672, 0.4806, 0.4355 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(134, 89, 21) }
```

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

```
.border{ border-color:rgb(134, 89, 21) }
```

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

Here you see how a box with a 4 pixel rgb(134, 89, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 89, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 89, 21);  
box-shadow:4px 4px 4px 4px rgb(134, 89,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2672, 0.4806, 0.4355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 89, 21) }
```

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

```
.background{ background-color: rgb(134, 89,  
21) }
```

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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