

Converting Colors

$Y_{xy}(10.8584, 0.4841, 0.4237)$

Have a look what the booklet for
Yxy(10.8584, 0.4841, 0.4237)
contains.

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Color

Yxy(10.8506, 0.4841, 0.4237)

Conversions

Conversions Part 1

Format	Color
Hex	825219
RGB	130, 82, 25
RGB Percent	51%, 32%, 10%
CMY	0.4902, 0.6784, 0.9019
CMYK	0.00, 0.37, 0.81, 0.49
HSL	33°, 68%, 30%
HSV	33°, 81%, 51%
XYZ	12.3974, 10.8506, 2.3612
YIQ	89.8540, 46.9050, -7.5510

Conversions

Conversions Part 2

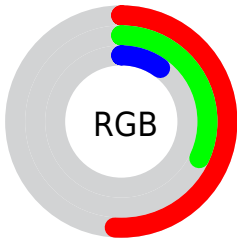
Format	Color
R_{YB}	113, 130, 25
Decimal	8540697
CIE Lab	39.33, 15.09, 39.62
CIE LCh	39, 42.397, 69.150
Yxy	10.8506, 0.4841, 0.4237
Android (android.graphics.Color)	4286730777 (0xFF825219)
YUV	89.8540, -31.9730, 35.2080
Hunter-Lab	32.9402, 9.5348, 18.8083

Details

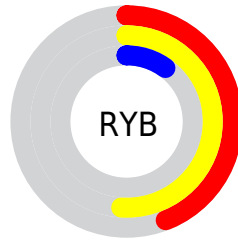
The Yxy color **10.8506, 0.4841, 0.4237** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **6.5817, 0.1923, 0.1858**, and the grayscale version is **10.2556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.2784, 0.4444, 0.4066**, and **2.8596, 0.5308, 0.4168** is the 20% darker color. If you saturate the color by 10%, you get **9.9498, 0.5057, 0.4242**, and if you desaturate by 10%, it is **11.8562, 0.4603, 0.4185**.

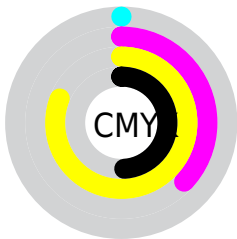
Distribution



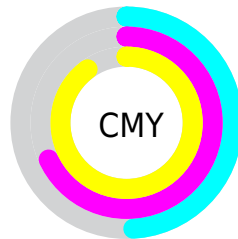
- Red (51%)
- Green (32%)
- Blue (10%)



- Red (44%)
- Yellow (51%)
- Blue (10%)



- Cyan (0%)
- Magenta (37%)
- Yellow (81%)
- Black (49%)



- Cyan (49%)
- Magenta (68%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.8506, 0.4841, 0.4237 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 10.8506, 0.4841, 0.4237 by changing the saturation by 10% instead.


 10.8506, 0.4841,
0.4237


 10.8506, 0.4841,
0.4237


196.6397, 0.3823,
0.3745


 5.9665, 0.5129,
0.4317

 27.3836, 0.4437,
0.4074

 2.8247, 0.5579,
0.4421

 39.8012, 0.4294,
0.4005


 1.0409, 0.5836,
0.4164


 55.4988, 0.4178,
0.3945

 0.0000, 1.0000,
0.0000

 74.8607, 0.4081,
0.3893

 0.0000, 0.0000,
0.0000

 98.2713, 0.4001,
0.3848


 126.1151, 0.3932,

0.3809


 158.7764, 0.3874,
0.3775


 10.8506, 0.4841,
0.4237


 10.8506, 0.4841,
0.4237


 9.9498, 0.5057,
0.4242


 11.8562, 0.4603,
0.4185

 9.1980, 0.5243,
0.4219

 12.9701, 0.4355,
0.4095

 14.1973, 0.4111,
0.3978

 15.5421, 0.3879,
0.3846

 17.0084, 0.3663,
0.3706

■ 18.5999, 0.3468,
0.3566

■ 20.3200, 0.3293,
0.3429

■ 22.1721, 0.3138,
0.3300

■ 24.1593, 0.3001,
0.3178

Harmonies

Analogous

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



10.8506, 0.4991, 0.3564



10.8506, 0.4841, 0.4237



10.8506, 0.4224, 0.4844

Triad

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



10.8506, 0.4841, 0.4237



10.8506, 0.1857, 0.3485



10.8506, 0.2639, 0.2018

Complementary

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



10.8506, 0.4841, 0.4237



6.5817, 0.1923, 0.1858

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.



10.8506, 0.1958, 0.1895



10.8506, 0.4841, 0.4237



10.8506, 0.1563, 0.2567

Square

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



10.8506, 0.4841, 0.4237



10.8506, 0.2504, 0.4544



10.8506, 0.1605, 0.2054



10.8506, 0.3590, 0.2382

Rectangle

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



10.8506, 0.4841, 0.4237



10.8506, 0.3670, 0.5067



10.8506, 0.1605, 0.2054



10.8506, 0.2376, 0.1949

Sweetspot

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



10.8512, 0.4841, 0.4237



31.6754, 0.3540, 0.3619



5.9350, 0.4537, 0.2496



6.9800, 0.3598, 0.3661



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



10.8512, 0.4841, 0.4237



16.3191, 0.5215, 0.4210



20.5050, 0.4073, 0.4961



4.7008, 0.3266, 0.3407



8.8349, 0.5241, 0.4221



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.5817, 0.1923, 0.1858



8.5586, 0.1759, 0.1505



2.5612, 0.1692, 0.0890



4.5103, 0.2993, 0.3170



4.5989, 0.1748, 0.1491



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 10.8506, 0.4841, 0.4237 looks on a white background.

Color Contrast Check

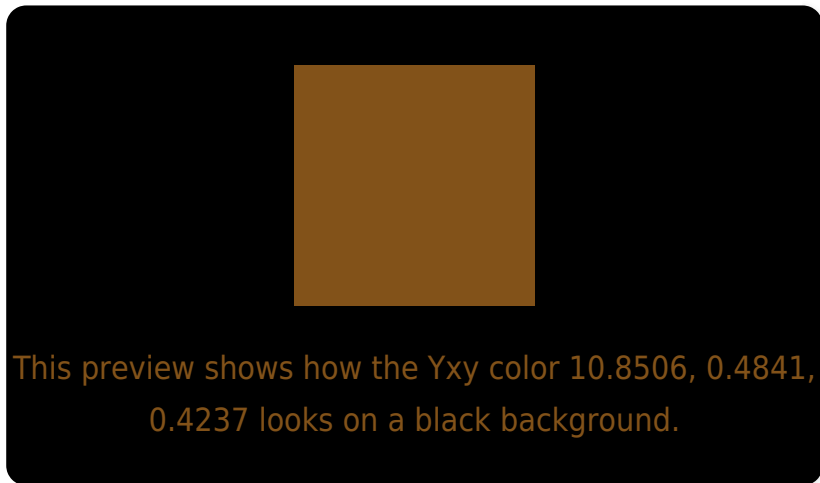
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.8506, 0.4841, 0.4237

Background



This preview shows how black text looks on a background with the Yxy color 10.8506, 0.4841, 0.4237.



This preview shows how white text looks on a background with the Yxy color 10.8506, 0.4841, 0.4237.

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

10.8506, 0.4841, 0.4237

Protanopia

10.8556, 0.4209, 0.4646

Deuteranopia

10.8193, 0.4560, 0.4497



Tritanopia

10.9035, 0.4060, 0.3197

Trichromacy



Original Color

10.8506, 0.4841, 0.4237

Protanomaly

10.7346, 0.4433, 0.4498

Deuteranomaly

10.8550, 0.4666, 0.4401

Tritanomaly

10.8344, 0.4414, 0.3636

Monochromacy



Original Color

10.8506, 0.4841, 0.4237

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.2130, 0.3782, 0.3780

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8506, 0.4841, 0.4237 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(130, 82, 25)` looks like.

```
.text, #text, p{  
    color:rgb(130, 82, 25)  
}
```

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(130, 82, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 82, 25) }
```

Border

The CSS property to change the border of an element to Yxy 10.8506, 0.4841, 0.4237 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(130, 82, 25) }
```

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

```
.border{ border-color:rgb(130, 82, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 82, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 82, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 82, 25);  
box-shadow:4px 4px 4px 4px rgb(130, 82,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 10.8506, 0.4841, 0.4237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 82, 25) }
```

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

```
.background{ background-color: rgb(130, 82,  
25) }
```

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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