

Converting Colors

$Y_{xy}(13.2214, 0.4580, 0.4187)$

Have a look what the booklet for
Yxy(13.2214, 0.4580, 0.4187)
contains.

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Color

Yxy(13.2230, 0.4582, 0.4187)

Conversions

Conversions Part 1

Format	Color
Hex	885D29
RGB	136, 93, 41
RGB Percent	53%, 36%, 16%
CMY	0.4666, 0.6353, 0.8392
CMYK	0.00, 0.32, 0.70, 0.47
HSL	33°, 54%, 35%
HSV	33°, 70%, 53%
XYZ	14.4705, 13.2230, 3.8876
YIQ	99.9290, 42.3200, -7.0560

Conversions

Conversions Part 2

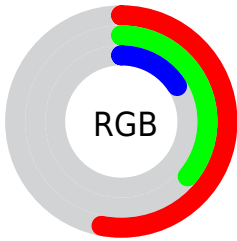
Format	Color
R_{YB}	120, 136, 41
Decimal	8936745
CIE _{Lab}	43.10, 12.25, 36.03
CIE _{LCh}	43, 38.061, 71.219
Yxy	13.2230, 0.4582, 0.4187
Android (android.graphics.Color)	4287126825 (0xFF885D29)
YUV	99.9290, -29.0520, 31.6343
Hunter-Lab	36.3634, 7.3962, 19.1157

Details

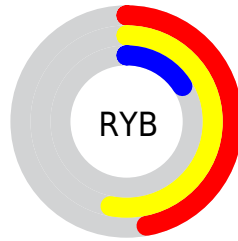
The Yxy color **13.2230, 0.4582, 0.4187** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **8.5950, 0.2049, 0.2064**, and the grayscale version is **12.7929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5727, 0.4238, 0.4011**, and **3.8269, 0.5095, 0.4337** is the 20% darker color. If you saturate the color by 10%, you get **12.1065, 0.4820, 0.4243**, and if you desaturate by 10%, it is **14.4607, 0.4335, 0.4094**.

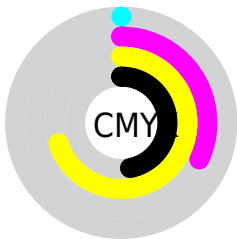
Distribution



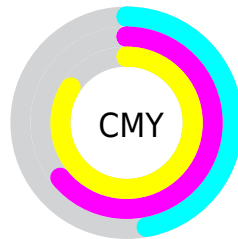
- Red (53%)
- Green (36%)
- Blue (16%)



- Red (47%)
- Yellow (53%)
- Blue (16%)



- Cyan (0%)
- Magenta (32%)
- Yellow (70%)
- Black (47%)




- Cyan (47%)
- Magenta (64%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.2230, 0.4582, 0.4187 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 13.2230, 0.4582, 0.4187 by changing the saturation by 10% instead.


 13.2230, 0.4582,
0.4187


 13.2230, 0.4582,
0.4187


212.3419, 0.3728,
0.3706


 7.5823, 0.4826,
0.4289


 31.7038, 0.4243,
0.4015


 3.8288, 0.5232,
0.4459

 45.3127, 0.4124,
0.3948

 1.5783, 0.5570,
0.4430

 62.3465, 0.4026,
0.3892

 0.3429, 0.6457,
0.3543

 83.1895, 0.3946,
0.3843

 0.0000, 0.0000,
0.0000

 108.2262, 0.3878,
0.3802

 137.8409, 0.3821,

0.3766

172.4180, 0.3771,
0.3734

■ 13.2230, 0.4582,
0.4187

■ 13.2230, 0.4582,
0.4187

■ 12.1065, 0.4820,
0.4243

■ 14.4607, 0.4335,
0.4094

■ 11.1038, 0.5037,
0.4252

■ 15.8228, 0.4092,
0.3975

■ 10.2030, 0.5234,
0.4224

■ 17.3144, 0.3861,
0.3840

■ 10.1906, 0.5237,
0.4224

■ 18.9399, 0.3647,
0.3698

■ 20.7033, 0.3453,
0.3557

■ 22.6085, 0.3279,
0.3419

■ 24.6590, 0.3125,
0.3288

■ 26.8584, 0.2989,
0.3166

■ 29.2100, 0.2869,
0.3052

Harmonies

Analogous

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



13.2230, 0.4715, 0.3604



13.2230, 0.4582, 0.4187



13.2230, 0.4052, 0.4658

Triad

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



13.2230, 0.4582, 0.4187



13.2230, 0.2013, 0.3407



13.2230, 0.2770, 0.2199

Complementary

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



13.2230, 0.4582, 0.4187



8.5950, 0.2049, 0.2064

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.



13.2230, 0.2152, 0.2077



13.2230, 0.4582, 0.4187



13.2230, 0.1762, 0.2651

Square

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



13.2230, 0.4582, 0.4187



13.2230, 0.2567, 0.4268



13.2230, 0.1813, 0.2212



13.2230, 0.3584, 0.2535

Rectangle

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



13.2230, 0.4582, 0.4187



13.2230, 0.3572, 0.4786



13.2230, 0.1813, 0.2212



13.2230, 0.2535, 0.2132

Sweetspot

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



13.2237, 0.4582, 0.4187



35.9597, 0.3482, 0.3579



7.4834, 0.4267, 0.2534



8.1538, 0.3528, 0.3613



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.



13.2237, 0.4582, 0.4187



20.2509, 0.4953, 0.4254



22.7488, 0.4004, 0.4830



5.4724, 0.3268, 0.3410



9.6608, 0.5234, 0.4226



0.0935, 0.4690, 0.4658

Inverse Universe

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



8.5950, 0.2049, 0.2064



11.5804, 0.1863, 0.1738



3.9035, 0.1853, 0.1151



5.2409, 0.2991, 0.3167



4.9189, 0.1742, 0.1471



0.0613, 0.1965, 0.2272

Previews

White Background



This preview shows how the Yxy color 13.2230, 0.4582, 0.4187 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 13.2230, 0.4582, 0.4187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

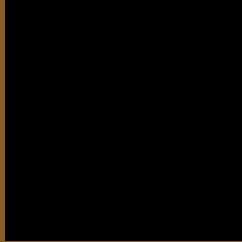
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2230, 0.4582, 0.4187

Background



This preview shows how black text looks on a background with the Yxy color 13.2230, 0.4582, 0.4187.



This preview shows how white text looks on a background with the Yxy color 13.2230, 0.4582, 0.4187.

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

13.2230, 0.4582, 0.4187

Protanopia

13.2620, 0.4088, 0.4464

Deuteranopia

13.2146, 0.4400, 0.4336



Tritanopia

13.1135, 0.3877, 0.3163

Trichromacy



Original Color

13.2230, 0.4582, 0.4187

Protanomaly

13.2357, 0.4263, 0.4366

Deuteranomaly

13.2648, 0.4460, 0.4296

Tritanomaly

13.0560, 0.4170, 0.3553

Monochromacy



Original Color

13.2230, 0.4582, 0.4187

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.6246, 0.3644, 0.3681

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2230, 0.4582, 0.4187 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, 93, 41)` looks like.

```
.text, #text, p{  
    color:rgb(136, 93, 41)  
}
```

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, 93, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 93, 41) }
```

Border

The CSS property to change the border of an element to Yxy 13.2230, 0.4582, 0.4187 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, 93, 41) }
```

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

```
.border{ border-color:rgb(136, 93, 41) }
```

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

Here you see how a box with a 4 pixel rgb(136, 93, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 93, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 93, 41);  
box-shadow:4px 4px 4px 4px rgb(136, 93,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2230, 0.4582, 0.4187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 93, 41) }
```

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

```
.background{ background-color: rgb(136, 93,  
41) }
```

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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