

Converting Colors

$Y_{xy}(11.4420, 0.4498, 0.4045)$

Have a look what the booklet for
Yxy(11.4420, 0.4498, 0.4045)
contains.

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Color

Yxy(11.4420, 0.4498, 0.4045)

Conversions

Conversions Part 1

Format	Color
Hex	80562E
RGB	128, 86, 46
RGB Percent	50%, 34%, 18%
CMY	0.4980, 0.6627, 0.8197
CMYK	0.00, 0.33, 0.64, 0.50
HSL	29°, 47%, 34%
HSV	29°, 64%, 50%
XYZ	12.7234, 11.4420, 4.1214
YIQ	93.9980, 37.8720, -3.5360

Conversions

Conversions Part 2

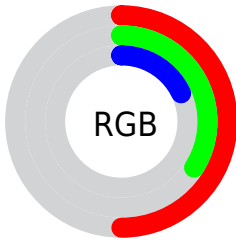
Format	Color
R _Y B	128, 124, 46
Decimal	8410670
CIE Lab	40.32, 13.04, 29.94
CIE LCh	40, 32.658, 66.472
Yxy	11.4420, 0.4498, 0.4045
Android (android.graphics.Color)	4286600750 (0xFF80562E)
YUV	93.9980, -23.6630, 29.8198
Hunter-Lab	33.8260, 7.9458, 16.4543

Details

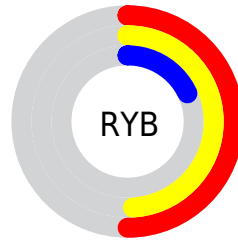
The Yxy color **11.4420, 0.4498, 0.4045** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.1173, 0.2162, 0.2316**, and the grayscale version is **11.2433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.5890, 0.4162, 0.3895**, and **3.0817, 0.5148, 0.4294** is the 20% darker color. If you saturate the color by 10%, you get **10.3570, 0.4768, 0.4113**, and if you desaturate by 10%, it is **12.6543, 0.4231, 0.3948**.

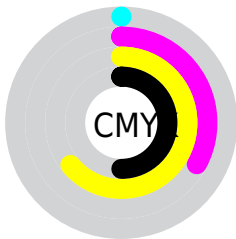
Distribution



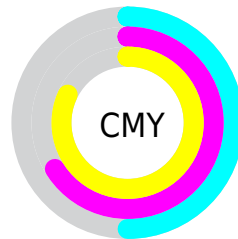
- Red (50%)
- Green (34%)
- Blue (18%)



- Red (50%)
- Yellow (49%)
- Blue (18%)



- Cyan (0%)
- Magenta (33%)
- Yellow (64%)
- Black (50%)





- Cyan (50%)
- Magenta (66%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.4420, 0.4498, 0.4045 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 11.4420, 0.4498, 0.4045 by changing the saturation by 10% instead.


 11.4420, 0.4498,
0.4045


 11.4420, 0.4498,
0.4045


200.6753, 0.3667,
0.3629

 6.3650, 0.4758,
0.4141


 28.4747, 0.4156,
0.3891


 3.0682, 0.5199,
0.4303

 41.1991, 0.4040,
0.3833


 1.1675, 0.5685,
0.4315

 57.2414, 0.3946,
0.3784

 0.0349, 0.9097,
0.0903

 76.9860, 0.3870,
0.3743

 0.0000, 0.0000,
0.0000

 100.8173, 0.3806,
0.3708

 129.1197, 0.3753,

0.3678

162.2776, 0.3707,
0.3652

■ 11.4420, 0.4498,
0.4045

■ 11.4420, 0.4498,
0.4045

■ 10.3570, 0.4768,
0.4113

■ 12.6543, 0.4231,
0.3948

■ 9.3922, 0.5027,
0.4139

■ 13.9972, 0.3978,
0.3832

■ 8.5419, 0.5260,
0.4117

■ 15.4756, 0.3746,
0.3707

■ 8.0839, 0.5397,
0.4097

■ 17.0940, 0.3537,
0.3580

■ 18.8564, 0.3351,
0.3456

■ 20.7666, 0.3188,
0.3336

■ 22.8284, 0.3045,
0.3225

■ 25.0454, 0.2920,
0.3121

■ 27.4209, 0.2810,
0.3025

Harmonies

Analogous

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



11.4420, 0.4537, 0.3507



11.4420, 0.4498, 0.4045



11.4420, 0.4073, 0.4486

Triad

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



11.4420, 0.4498, 0.4045



11.4420, 0.2179, 0.3527



11.4420, 0.2702, 0.2257

Complementary

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



11.4420, 0.4498, 0.4045



9.1173, 0.2162, 0.2316

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.



11.4420, 0.2171, 0.2183



11.4420, 0.4498, 0.4045



11.4420, 0.1896, 0.2813

Square

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



11.4420, 0.4498, 0.4045



11.4420, 0.2729, 0.4261



11.4420, 0.1898, 0.2356



11.4420, 0.3423, 0.2540

Rectangle

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



11.4420, 0.4498, 0.4045



11.4420, 0.3653, 0.4627



11.4420, 0.1898, 0.2356



11.4420, 0.2499, 0.2207

Sweetspot

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



11.4426, 0.4498, 0.4045



31.5006, 0.3448, 0.3522



7.2533, 0.4018, 0.2501



7.2004, 0.3494, 0.3552



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.



11.4426, 0.4498, 0.4045



17.4096, 0.4892, 0.4131



19.8721, 0.4001, 0.4694



4.6636, 0.3267, 0.3395



8.0179, 0.5396, 0.4097



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.1173, 0.2162, 0.2316



12.9556, 0.1984, 0.2046



4.2008, 0.1942, 0.1348



4.5474, 0.2993, 0.3182



5.3602, 0.1797, 0.1669



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 11.4420, 0.4498, 0.4045 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 11.4420, 0.4498, 0.4045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

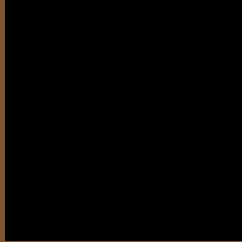
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.4420, 0.4498, 0.4045

Background



This preview shows how black text looks on a background with the Yxy color 11.4420, 0.4498, 0.4045.



This preview shows how white text looks on a background with the Yxy color 11.4420, 0.4498, 0.4045.

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

11.4420, 0.4498, 0.4045

Protanopia

11.4094, 0.3961, 0.4316

Deuteranopia

11.5232, 0.4281, 0.4221



Tritanopia

11.3983, 0.3906, 0.3175

Trichromacy



Original Color

11.4420, 0.4498, 0.4045

Protanomaly

11.3784, 0.4145, 0.4222

Deuteranomaly

11.4718, 0.4373, 0.4156

Tritanomaly

11.4002, 0.4145, 0.3509

Monochromacy



Original Color

11.4420, 0.4498, 0.4045

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.0822, 0.3593, 0.3611

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.4420, 0.4498, 0.4045 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(128, 86, 46)` looks like.

```
.text, #text, p{  
  color:rgb(128, 86, 46)  
}
```

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(128, 86, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 86, 46) }
```

Border

The CSS property to change the border of an element to Yxy 11.4420, 0.4498, 0.4045 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(128, 86, 46) }
```

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

```
.border{ border-color:rgb(128, 86, 46) }
```

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

Here you see how a box with a 4 pixel rgb(128, 86, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 86, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 86, 46);  
box-shadow:4px 4px 4px 4px rgb(128, 86,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 11.4420, 0.4498, 0.4045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 86, 46) }
```

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

```
.background{ background-color: rgb(128, 86,  
46) }
```

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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