

Converting Colors

$Yxy(16.7704, 0.4483, 0.4582)$

Have a look what the booklet for
Yxy(16.7704, 0.4483, 0.4582)
contains.

Yxy(16.7200, 0.4494, 0.4576)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.7200, 0.4494, 0.4576)

Conversions

Conversions Part 1

Format	Color
Hex	8B6E1B
RGB	139, 110, 27
RGB Percent	55%, 43%, 11%
CMY	0.4549, 0.5686, 0.8941
CMYK	0.00, 0.21, 0.81, 0.45
HSL	44°, 67%, 33%
HSV	44°, 81%, 55%
XYZ	16.4204, 16.7200, 3.3981
YIQ	109.2090, 43.9270, -19.6650

Conversions

Conversions Part 2

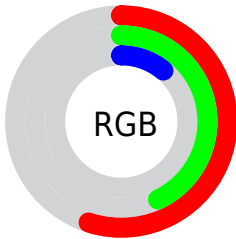
Format	Color
R_{YB}	66, 139, 27
Decimal	9137691
CIE Lab	47.91, 3.02, 47.21
CIE LCh	48, 47.310, 86.340
Yxy	16.7200, 0.4494, 0.4576
Android (android.graphics.Color)	4287327771 (0xFF8B6E1B)
YUV	109.2090, -40.5290, 26.1267
Hunter-Lab	40.8901, 0.1232, 23.6959

Details

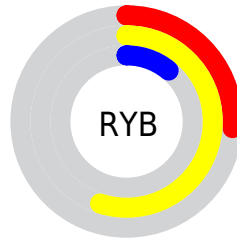
The Yxy color **16.7200, 0.4494, 0.4576** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.9231, 0.1789, 0.1350**, and the grayscale version is **15.4636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7756, 0.4229, 0.4331**, and **5.4863, 0.4690, 0.4658** is the 20% darker color. If you saturate the color by 10%, you get **15.9104, 0.4621, 0.4619**, and if you desaturate by 10%, it is **17.5932, 0.4341, 0.4488**.

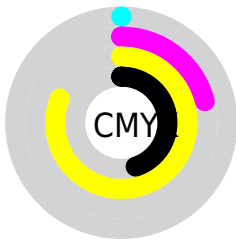
Distribution



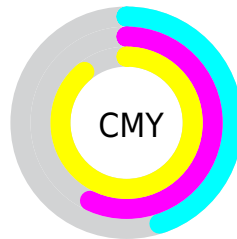
- Red (55%)
- Green (43%)
- Blue (11%)



- Red (26%)
- Yellow (55%)
- Blue (11%)



- Cyan (0%)
- Magenta (21%)
- Yellow (81%)
- Black (45%)




- Cyan (45%)
- Magenta (57%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7200, 0.4494, 0.4576 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 16.7200, 0.4494, 0.4576 by changing the saturation by 10% instead.


 16.7200, 0.4494,
0.4576


 16.7200, 0.4494,
0.4576


233.5536, 0.3751,
0.3893


 10.0351, 0.4666,
0.4722


 37.8437, 0.4223,
0.4334


 5.4222, 0.4963,
0.4979

 53.0513, 0.4120,
0.4239


 2.4971, 0.5026,
0.4974

 71.8686, 0.4033,
0.4158

 0.8752, 0.5090,
0.4910


 94.6799, 0.3959,
0.4089

 0.0000, 0.0000,
0.0000

 121.8696, 0.3896,
0.4030


 153.8222, 0.3841,


0.3978


 190.9221, 0.3793,
0.3933


 16.7200, 0.4494,
0.4576


 16.7200, 0.4494,
0.4576


 15.9104, 0.4621,
0.4619

 17.5932, 0.4341,
0.4488

 15.1931, 0.4724,
0.4631

 18.5318, 0.4170,
0.4363

 19.5401, 0.3989,
0.4208

 20.6213, 0.3804,
0.4033

 21.7785, 0.3623,
0.3849

■ 23.0143, 0.3449,
0.3662

■ 24.3312, 0.3286,
0.3477

■ 25.7317, 0.3135,
0.3300

■ 27.2181, 0.2998,
0.3132

Harmonies

Analogous

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



16.7200, 0.4920, 0.3941



16.7200, 0.4494, 0.4576



16.7200, 0.3741, 0.4993

Triad

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



16.7200, 0.4494, 0.4576



16.7200, 0.1687, 0.2930



16.7200, 0.3164, 0.2230

Complementary

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



16.7200, 0.4494, 0.4576



4.9231, 0.1789, 0.1350

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.



16.7200, 0.2334, 0.1970



16.7200, 0.4494, 0.4576



16.7200, 0.1590, 0.2259

Square

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



16.7200, 0.4494, 0.4576



16.7200, 0.2127, 0.3933



16.7200, 0.1805, 0.1963



16.7200, 0.4120, 0.2696

Rectangle

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



16.7200, 0.4494, 0.4576



16.7200, 0.3164, 0.4956



16.7200, 0.1805, 0.1963



16.7200, 0.2860, 0.2117

Sweetspot

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



16.7208, 0.4494, 0.4576



40.3293, 0.3516, 0.3735



6.5659, 0.5155, 0.2875



9.1316, 0.3572, 0.3795



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.



16.7208, 0.4494, 0.4576



27.3372, 0.4708, 0.4622



22.0439, 0.3799, 0.5162



5.6296, 0.3264, 0.3451



13.7423, 0.4721, 0.4633



0.1150, 0.4434, 0.4861

Inverse Universe

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



4.9231, 0.1789, 0.1350



5.7307, 0.1608, 0.0960



3.4077, 0.1882, 0.0983



5.0891, 0.2991, 0.3123



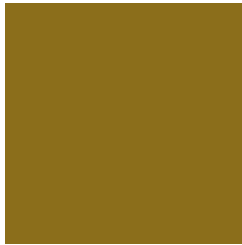
2.8447, 0.1597, 0.0949



0.0398, 0.1806, 0.1702

Previews

White Background



This preview shows how the Yxy color 16.7200, 0.4494, 0.4576 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 16.7200, 0.4494, 0.4576 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 16.7200, 0.4494, 0.4576

Background



This preview shows how black text looks on a background with the Yxy color 16.7200, 0.4494, 0.4576.



This preview shows how white text looks on a background with the Yxy color 16.7200, 0.4494, 0.4576.

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

16.7200, 0.4494, 0.4576

Protanopia

16.7077, 0.4278, 0.4725

Deuteranopia

16.6486, 0.4571, 0.4503



Tritanopia

16.7556, 0.3623, 0.3168

Trichromacy



Original Color

16.7200, 0.4494, 0.4576

Protanomaly

16.7996, 0.4348, 0.4673

Deuteranomaly

16.7719, 0.4543, 0.4526

Tritanomaly

16.6380, 0.4012, 0.3759

Monochromacy



Original Color

16.7200, 0.4494, 0.4576

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.4949, 0.3681, 0.3899

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7200, 0.4494, 0.4576 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(139, 110, 27)` looks like.

```
.text, #text, p{  
    color:rgb(139, 110, 27)  
}
```

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(139, 110, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 110, 27) }
```

Border

The CSS property to change the border of an element to Yxy 16.7200, 0.4494, 0.4576 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(139, 110, 27) }
```

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

```
.border{ border-color:rgb(139, 110, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 110, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 110, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 110, 27);  
box-shadow:4px 4px 4px 4px rgb(139, 110,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7200, 0.4494, 0.4576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 110, 27) }
```

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

```
.background{ background-color: rgb(139,  
110, 27) }
```

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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