

Converting Colors

$Y_{xy}(14.6642, 0.5043, 0.4957)$

Have a look what the booklet for
Yxy(14.6642, 0.5043, 0.4957)
contains.

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Color

Yxy(14.7963, 0.4760, 0.4603)

Conversions

Conversions Part 1

Format	Color
Hex	8B6500
RGB	139, 101, 0
RGB Percent	55%, 40%, 0%
CMY	0.4549, 0.6039, 1.0000
CMYK	0.00, 0.27, 1.00, 0.45
HSL	44°, 100%, 27%
HSV	44°, 100%, 55%
XYZ	15.3010, 14.7963, 2.0476
YIQ	100.8480, 55.0690, -23.3550

Conversions

Conversions Part 2

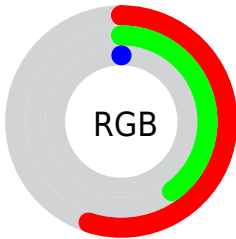
Format	Color
R_{YB}	52, 139, 0
Decimal	9135360
CIE Lab	45.35, 7.54, 52.60
CIE LCh	45, 53.135, 81.842
Yxy	14.7963, 0.4760, 0.4603
Android (android.graphics.Color)	4287325440 (0xFF8B6500)
YUV	100.8480, -49.7181, 33.4593
Hunter-Lab	38.4660, 3.6882, 23.7700

Details

The Yxy color **14.7963, 0.4760, 0.4603** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.2501, 0.1604, 0.0974**, and the grayscale version is **13.0932, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.6637, 0.4442, 0.4387**, and **4.6172, 0.4892, 0.4498** is the 20% darker color. If you saturate the color by 10%, you get **14.7972, 0.4760, 0.4603**, and if you desaturate by 10%, it is **15.5837, 0.4644, 0.4593**.

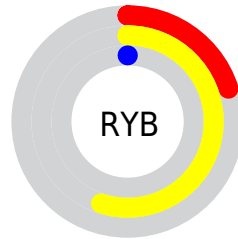
Distribution



Red (55%)

Green (40%)

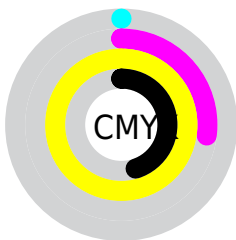
Blue (0%)



Red (20%)

Yellow (55%)

Blue (0%)

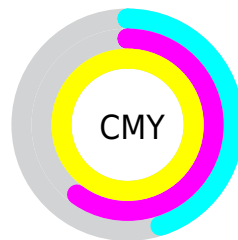


Cyan (0%)

Magenta (27%)

Yellow (100%)

Black (45%)



Cyan (45%)


Magenta (60%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.7963, 0.4760, 0.4603 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 14.7963, 0.4760, 0.4603 by changing the saturation by 10% instead.


 14.7963, 0.4760,
0.4603


 14.7963, 0.4760,
0.4603


 222.1299, 0.3876,
0.3940


 8.6765, 0.4961,
0.4721


 34.4954, 0.4445,
0.4388

 4.5308, 0.5184,
0.4816

 48.8436, 0.4322,
0.4296


 1.9747, 0.5280,
0.4720

 66.7034, 0.4217,
0.4215

 0.5927, 0.5577,
0.4423

 88.4591, 0.4128,
0.4145


 0.0000, 0.0000,
0.0000

 114.4953, 0.4051,
0.4083


 145.1962, 0.3985,


0.4029


 180.9463, 0.3927,
0.3982


 14.7963, 0.4760,
0.4603

 14.7963, 0.4760,
0.4603

 14.7972, 0.4760,
0.4603

 15.5837, 0.4644,
0.4593

 16.4248, 0.4509,
0.4549

 17.3315, 0.4350,
0.4461

 18.3082, 0.4173,
0.4336

 19.3584, 0.3987,
0.4182

■ 20.4855, 0.3799,
0.4010

■ 21.6923, 0.3615,
0.3828

■ 22.9817, 0.3440,
0.3644

■ 24.3563, 0.3277,
0.3463

Harmonies

Analogous

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



14.7963, 0.5210, 0.3859



14.7963, 0.4760, 0.4603



14.7963, 0.3924, 0.5213

Triad

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



14.7963, 0.4760, 0.4603



14.7963, 0.1536, 0.3001



14.7963, 0.2996, 0.2030

Complementary

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



14.7963, 0.4760, 0.4603



3.2501, 0.1604, 0.0974

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.



14.7963, 0.2102, 0.1782



14.7963, 0.4760, 0.4603



14.7963, 0.1390, 0.2177

Square

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



14.7963, 0.4760, 0.4603



14.7963, 0.2070, 0.4236



14.7963, 0.1577, 0.1810



14.7963, 0.4119, 0.2515

Rectangle

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



14.7963, 0.4760, 0.4603



14.7963, 0.3276, 0.5308



14.7963, 0.1577, 0.1810



14.7963, 0.2660, 0.1919

Sweetspot

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



14.7972, 0.4760, 0.4603



38.7014, 0.3627, 0.3840



5.6381, 0.5764, 0.2949



8.7290, 0.3695, 0.3908



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.



14.7972, 0.4760, 0.4603



26.2130, 0.4774, 0.4591



21.7092, 0.3823, 0.5346



5.6176, 0.3264, 0.3448



13.3844, 0.4757, 0.4605



0.1134, 0.4451, 0.4848

Inverse Universe

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



3.2501, 0.1604, 0.0974



5.5762, 0.1594, 0.0939



2.1419, 0.1629, 0.0671



5.1004, 0.2991, 0.3127



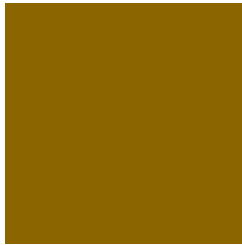
2.9592, 0.1606, 0.0981



0.0414, 0.1820, 0.1751

Previews

White Background



This preview shows how the Yxy color 14.7963, 0.4760, 0.4603 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 14.7963, 0.4760, 0.4603 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 14.7963, 0.4760, 0.4603

Background



This preview shows how black text looks on a background with the Yxy color 14.7963, 0.4760, 0.4603.



This preview shows how white text looks on a background with the Yxy color 14.7963, 0.4760, 0.4603.

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

14.7963, 0.4760, 0.4603

Protanopia

14.8802, 0.4374, 0.4846

Deuteranopia

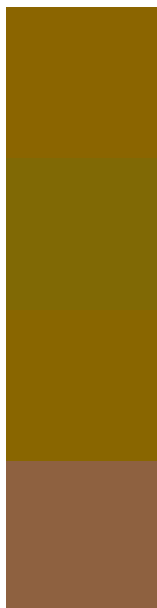
14.7370, 0.4702, 0.4649



Tritanopia

14.8743, 0.3801, 0.3167

Trichromacy



Original Color

14.7963, 0.4760, 0.4603

Protanomaly

14.7033, 0.4520, 0.4754

Deuteranomaly

14.8211, 0.4715, 0.4638

Tritanomaly

14.6703, 0.4322, 0.3876

Monochromacy



Original Color

14.7963, 0.4760, 0.4603

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.3224, 0.3865, 0.4071

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7963, 0.4760, 0.4603 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, 101, 0)` looks like.

```
.text, #text, p{  
    color:rgb(139, 101, 0)  
}
```

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, 101, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 101, 0) }
```

Border

The CSS property to change the border of an element to Yxy 14.7963, 0.4760, 0.4603 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, 101, 0) }
```

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

```
.border{ border-color:rgb(139, 101, 0) }
```

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

Here you see how a box with a 4 pixel rgb(139, 101, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 101, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 101, 0);  
box-shadow:4px 4px 4px 4px rgb(139, 101,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 14.7963, 0.4760, 0.4603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 101, 0) }
```

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

```
.background{ background-color: rgb(139,  
101, 0) }
```

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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