

Converting Colors

$Y_{xy}(16.5748, 0.4537, 0.4486)$

Have a look what the booklet for
Yxy(16.5748, 0.4537, 0.4486)
contains.

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Color

Yxy(16.5748, 0.4537, 0.4486)

Conversions

Conversions Part 1

Format	Color
Hex	8E6C1F
RGB	142, 108, 31
RGB Percent	56%, 42%, 12%
CMY	0.4432, 0.5764, 0.8785
CMYK	0.00, 0.24, 0.78, 0.44
HSL	42°, 64%, 34%
HSV	42°, 78%, 56%
XYZ	16.7632, 16.5748, 3.6098
YIQ	109.3880, 44.9810, -16.7390

Conversions

Conversions Part 2

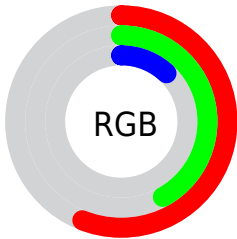
Format	Color
RYB	80, 142, 31
Decimal	9333791
CIELab	47.72, 5.74, 45.61
CIELCh	48, 45.972, 82.821
Yxy	16.5748, 0.4537, 0.4486
Android (android.graphics.Color)	4287523871 (0xFF8E6C1F)
YUV	109.3880, -38.6453, 28.6007
Hunter-Lab	40.7122, 2.2511, 23.2415

Details

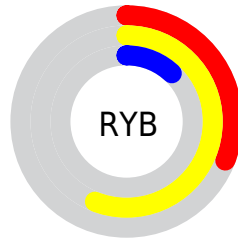
The Yxy color **16.5748, 0.4537, 0.4486** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.0179, 0.1847, 0.1515**, and the grayscale version is **15.5109, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5325, 0.4253, 0.4264**, and **5.4122, 0.4804, 0.4567** is the 20% darker color. If you saturate the color by 10%, you get **15.6226, 0.4690, 0.4531**, and if you desaturate by 10%, it is **17.6073, 0.4361, 0.4396**.

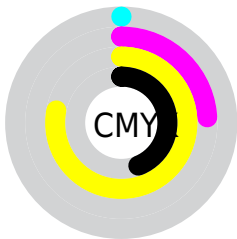
Distribution



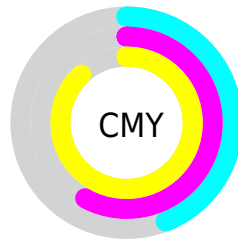
- Red (56%)
- Green (42%)
- Blue (12%)



- Red (31%)
- Yellow (56%)
- Blue (12%)



- Cyan (0%)
- Magenta (24%)
- Yellow (78%)
- Black (44%)





- Cyan (44%)
- Magenta (58%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5748, 0.4537, 0.4486 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 16.5748, 0.4537, 0.4486 by changing the saturation by 10% instead.


 16.5748, 0.4537,
0.4486


 16.5748, 0.4537,
0.4486


232.7100, 0.3761,
0.3856


 9.9318, 0.4724,
0.4618


 37.5932, 0.4250,
0.4264


 5.3538, 0.5028,
0.4834

 52.7375, 0.4142,
0.4177


 2.4563, 0.5164,
0.4836

 71.4843, 0.4051,
0.4102

 0.8546, 0.5284,
0.4716

 94.2180, 0.3975,
0.4038

 0.0000, 0.0000,
0.0000

 121.3230, 0.3910,
0.3983

 153.1838, 0.3853,

0.3935

190.1846, 0.3804,
0.3893

16.5748, 0.4537,
0.4486

16.5748, 0.4537,
0.4486

15.6226, 0.4690,
0.4531

17.6073, 0.4361,
0.4396

14.7395, 0.4819,
0.4536

18.7222, 0.4169,
0.4271

14.5848, 0.4843,
0.4536

19.9243, 0.3972,
0.4119

21.2170, 0.3777,
0.3950

22.6037, 0.3589,
0.3774

■ 24.0875, 0.3413,
0.3597

■ 25.6712, 0.3250,
0.3425

■ 27.3576, 0.3101,
0.3261

■ 29.1491, 0.2967,
0.3106

Harmonies

Analogous

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



16.5748, 0.4897, 0.3859



16.5748, 0.4537, 0.4486



16.5748, 0.3829, 0.4927

Triad

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



16.5748, 0.4537, 0.4486



16.5748, 0.1750, 0.3044



16.5748, 0.3058, 0.2210

Complementary

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



16.5748, 0.4537, 0.4486



6.0179, 0.1847, 0.1515

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.



16.5748, 0.2275, 0.1982



16.5748, 0.4537, 0.4486



16.5748, 0.1616, 0.2341

Square

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



16.5748, 0.4537, 0.4486



16.5748, 0.2224, 0.4035



16.5748, 0.1792, 0.2009



16.5748, 0.3991, 0.2648

Rectangle

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



16.5748, 0.4537, 0.4486



16.5748, 0.3269, 0.4941



16.5748, 0.1792, 0.2009



16.5748, 0.2768, 0.2108

Sweetspot

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



16.5756, 0.4537, 0.4486



41.0788, 0.3505, 0.3691



7.1229, 0.4927, 0.2779



8.9898, 0.3562, 0.3748



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.



16.5756, 0.4537, 0.4486



26.3389, 0.4789, 0.4534



23.5517, 0.3861, 0.5082



6.0106, 0.3266, 0.3442



13.1310, 0.4840, 0.4539



0.1646, 0.4489, 0.4818

Inverse Universe

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



6.0179, 0.1847, 0.1515



7.1635, 0.1660, 0.1125



3.6432, 0.1859, 0.1003



5.5075, 0.2990, 0.3133



3.3646, 0.1626, 0.1055



0.0676, 0.1849, 0.1856

Previews

White Background



This preview shows how the Yxy color 16.5748, 0.4537, 0.4486 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 16.5748, 0.4537, 0.4486 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 16.5748, 0.4537, 0.4486

Background



This preview shows how black text looks on a background with the Yxy color 16.5748, 0.4537, 0.4486.



This preview shows how white text looks on a background with the Yxy color 16.5748, 0.4537, 0.4486.

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

16.5748, 0.4537, 0.4486

Protanopia

16.6509, 0.4238, 0.4694

Deuteranopia

16.6637, 0.4551, 0.4477



Tritanopia

16.5931, 0.3704, 0.3169

Trichromacy



Original Color

16.5748, 0.4537, 0.4486

Protanomaly

16.5982, 0.4335, 0.4621

Deuteranomaly

16.6637, 0.4551, 0.4477

Tritanomaly

16.4996, 0.4071, 0.3716

Monochromacy



Original Color

16.5748, 0.4537, 0.4486

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.5963, 0.3669, 0.3856

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5748, 0.4537, 0.4486 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(142, 108, 31)` looks like.

```
.text, #text, p{  
    color:rgb(142, 108, 31)  
}
```

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(142, 108, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 108, 31) }
```

Border

The CSS property to change the border of an element to Yxy 16.5748, 0.4537, 0.4486 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(142, 108, 31) }
```

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

```
.border{ border-color:rgb(142, 108, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 108, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 108, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 108, 31);  
box-shadow:4px 4px 4px 4px rgb(142, 108,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5748, 0.4537, 0.4486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 108, 31) }
```

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

```
.background{ background-color: rgb(142,  
108, 31) }
```

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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