

Converting Colors

$Y_{xy}(14.2446, 0.5228, 0.4231)$

Have a look what the booklet for
Yxy(14.2446, 0.5228, 0.4231)
contains.

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Color

Yxy(14.2485, 0.5226, 0.4233)

Conversions

Conversions Part 1

Format	Color
Hex	9E5800
RGB	158, 88, 0
RGB Percent	62%, 35%, 0%
CMY	0.3804, 0.6549, 1.0000
CMYK	0.00, 0.44, 1.00, 0.38
HSL	33°, 100%, 31%
HSV	33°, 100%, 62%
XYZ	17.5910, 14.2485, 1.8210
YIQ	98.8980, 69.9680, -12.5280

Conversions

Conversions Part 2

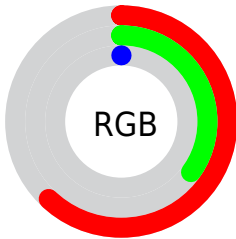
Format	Color
R_{YB}	126, 158, 0
Decimal	10377216
CIE _{Lab}	44.59, 23.79, 53.31
CIE _{LCh}	45, 58.381, 65.954
Yxy	14.2485, 0.5226, 0.4233
Android (android.graphics.Color)	4288567296 (0xFF9E5800)
YUV	98.8980, -48.7567, 51.8325
Hunter-Lab	37.7472, 17.1272, 23.5627

Details

The Yxy color **14.2485, 0.5226, 0.4233** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.8499, 0.1726, 0.1414**, and the grayscale version is **12.5628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.3982, 0.4805, 0.4137**, and **4.2952, 0.5573, 0.3957** is the 20% darker color. If you saturate the color by 10%, you get **14.2494, 0.5226, 0.4233**, and if you desaturate by 10%, it is **15.4913, 0.5039, 0.4269**.

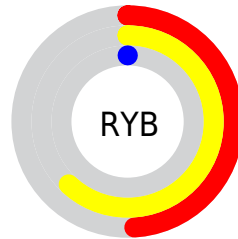
Distribution



Red (62%)

Green (35%)

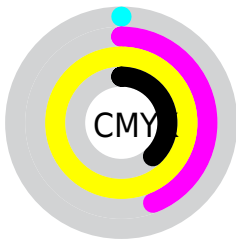
Blue (0%)



Red (49%)

Yellow (62%)

Blue (0%)

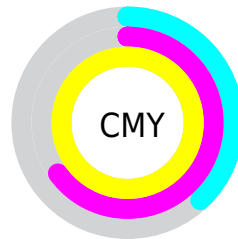


Cyan (0%)

Magenta (44%)

Yellow (100%)

Black (38%)



Cyan (38%)


Magenta (65%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 14.2485, 0.5226, 0.4233 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 14.2485, 0.5226, 0.4233 by changing the saturation by 10% instead.


 14.2485, 0.5226,
0.4233


 14.2485, 0.5226,
0.4233


 218.7713, 0.4064,
0.3838


 8.2937, 0.5518,
0.4255


 33.5293, 0.4802,
0.4142

 4.2835, 0.5822,
0.4178

 47.6241, 0.4640,
0.4088


 1.8334, 0.6099,
0.3901

 65.2010, 0.4503,
0.4037

 0.5078, 0.6809,
0.3191

 86.6445, 0.4388,
0.3989

 0.0000, 1.0000,
0.0000


 112.3388, 0.4289,
0.3945


 0.0000, 0.0000,
0.0000


 142.6685, 0.4203,

0.3906


 178.0179, 0.4129,
0.3870


 14.2485, 0.5226,
0.4233


 14.2485, 0.5226,
0.4233

 14.2494, 0.5226,
0.4233

 15.4913, 0.5039,
0.4269

 16.8751, 0.4829,
0.4264

 18.4161, 0.4594,
0.4211

 20.1225, 0.4348,
0.4118

 22.0012, 0.4105,
0.3996

■ 24.0589, 0.3872,
0.3859

■ 26.3015, 0.3656,
0.3713

■ 28.7348, 0.3459,
0.3567

■ 31.3641, 0.3283,
0.3425

Harmonies

Analogous

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



14.2485, 0.5406, 0.3453



14.2485, 0.5226, 0.4233



14.2485, 0.4471, 0.5047

Triad

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



14.2485, 0.5226, 0.4233



14.2485, 0.1634, 0.3654



14.2485, 0.2409, 0.1751

Complementary

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



14.2485, 0.5226, 0.4233



6.8499, 0.1726, 0.1414

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.



14.2485, 0.1664, 0.1634



14.2485, 0.5226, 0.4233



14.2485, 0.1282, 0.2455

Square

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



14.2485, 0.5226, 0.4233



14.2485, 0.2419, 0.5049



14.2485, 0.1306, 0.1830



14.2485, 0.3550, 0.2139

Rectangle

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



14.2485, 0.5226, 0.4233



14.2485, 0.3810, 0.5459



14.2485, 0.1306, 0.1830



14.2485, 0.2113, 0.1680

Sweetspot

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



14.2494, 0.5226, 0.4233



47.5110, 0.3668, 0.3722



7.7260, 0.5143, 0.2607



10.3391, 0.3752, 0.3780



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



14.2494, 0.5226, 0.4233



25.4706, 0.5250, 0.4213



30.9501, 0.4107, 0.5121



7.2280, 0.3271, 0.3415



11.4908, 0.5215, 0.4241



0.2891, 0.4720, 0.4634

Inverse Universe

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



6.8499, 0.1726, 0.1414



12.0532, 0.1717, 0.1380



2.5198, 0.1519, 0.0610



6.8948, 0.2988, 0.3162



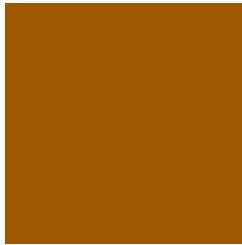
5.5619, 0.1730, 0.1429



0.1825, 0.1941, 0.2187

Previews

White Background



This preview shows how the Yxy color 14.2485, 0.5226, 0.4233 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 14.2485, 0.5226, 0.4233 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 14.2485, 0.5226, 0.4233

Background



This preview shows how black text looks on a background with the Yxy color 14.2485, 0.5226, 0.4233.



This preview shows how white text looks on a background with the Yxy color 14.2485, 0.5226, 0.4233.

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

14.2485, 0.5226, 0.4233

Protanopia

14.3302, 0.4358, 0.4814

Deuteranopia

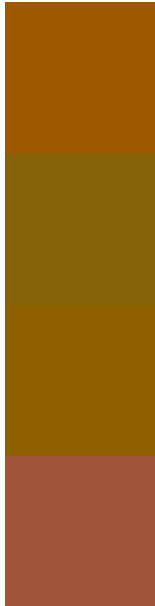
14.3757, 0.4692, 0.4657



Tritanopia

14.3162, 0.4351, 0.3198

Trichromacy



Original Color

14.2485, 0.5226, 0.4233

Protanomaly

14.0095, 0.4697, 0.4590

Deuteranomaly

14.2054, 0.4902, 0.4490

Tritanomaly

14.0998, 0.4840, 0.3713

Monochromacy



Original Color

14.2485, 0.5226, 0.4233

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.5364, 0.4015, 0.3952

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.2485, 0.5226, 0.4233 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(158, 88, 0)` looks like.

```
.text, #text, p{  
    color:rgb(158, 88, 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(158, 88, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 88, 0) }
```

Border

The CSS property to change the border of an element to Yxy 14.2485, 0.5226, 0.4233 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(158, 88, 0) }
```

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

```
.border{ border-color:rgb(158, 88, 0) }
```

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

Here you see how a box with a 4 pixel rgb(158, 88, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 88, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 88, 0);  
box-shadow:4px 4px 4px 4px rgb(158, 88, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.2485, 0.5226, 0.4233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 88, 0) }
```

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

```
.background{ background-color: rgb(158, 88,  
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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