

Converting Colors

$Y_{xy}(13.9380, 0.4813, 0.4560)$

Have a look what the booklet for
Yxy(13.9380, 0.4813, 0.4560)
contains.

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Color

Yxy(13.9527, 0.4818, 0.4556)

Conversions

Conversions Part 1

Format	Color
Hex	8A6100
RGB	138, 97, 0
RGB Percent	54%, 38%, 0%
CMY	0.4589, 0.6196, 0.9998
CMYK	0.00, 0.30, 1.00, 0.46
HSL	42°, 100%, 27%
HSV	42°, 100%, 54%
XYZ	14.7551, 13.9527, 1.9171
YIQ	98.2010, 55.5730, -21.4750

Conversions

Conversions Part 2

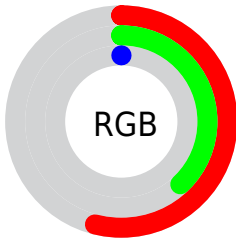
Format	Color
R_{YB}	58, 138, 0
Decimal	9068800
CIE Lab	44.17, 9.39, 51.70
CIE LCh	44, 52.548, 79.706
Yxy	13.9527, 0.4818, 0.4556
Android (android.graphics.Color)	4287258880 (0xFF8A6100)
YUV	98.2010, -48.4131, 34.9037
Hunter-Lab	37.3533, 5.1417, 23.1043

Details

The Yxy color **13.9527, 0.4818, 0.4556** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.4241, 0.1620, 0.1031**, and the grayscale version is **12.3816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9294, 0.4488, 0.4345**, and **4.2067, 0.4991, 0.4419** is the 20% darker color. If you saturate the color by 10%, you get **13.9498, 0.4818, 0.4556**, and if you desaturate by 10%, it is **14.7621, 0.4692, 0.4550**.

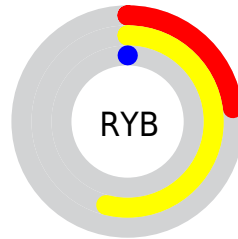
Distribution



Red (54%)

Green (38%)

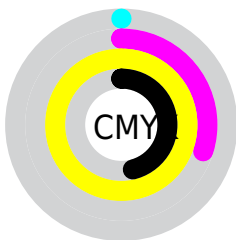
Blue (0%)



Red (23%)

Yellow (54%)

Blue (0%)

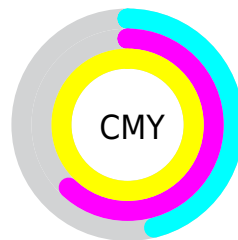


Cyan (0%)

Magenta (30%)

Yellow (100%)

Black (46%)



Cyan (46%)


Magenta (62%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9527, 0.4818, 0.4556 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 13.9527, 0.4818, 0.4556 by changing the saturation by 10% instead.


 13.9527, 0.4818,
0.4556


 13.9527, 0.4818,
0.4556


 216.9364, 0.3891,
0.3921


 8.0878, 0.5041,
0.4668


 33.0051, 0.4484,
0.4353


 4.1512, 0.5269,
0.4731

 46.9613, 0.4355,
0.4265


 1.7585, 0.5395,
0.4605

 64.3835, 0.4245,
0.4187

 0.4611, 0.5914,
0.4086


 85.6559, 0.4152,
0.4119


 0.0000, 0.0000,
0.0000


 111.1630, 0.4072,
0.4060


 141.2892, 0.4003,


0.4007


 176.4188, 0.3944,
0.3961


 13.9527, 0.4818,
0.4556


 13.9527, 0.4818,
0.4556

 13.9498, 0.4818,
0.4556

 14.7621, 0.4692,
0.4550

 15.6302, 0.4547,
0.4511

 16.5689, 0.4378,
0.4426

 17.5823, 0.4193,
0.4304

 18.6742, 0.3999,
0.4155

■ 19.8479, 0.3806,
0.3987

■ 21.1064, 0.3619,
0.3810

■ 22.4526, 0.3441,
0.3632

■ 23.8891, 0.3277,
0.3457

Harmonies

Analogous

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



13.9527, 0.5235, 0.3807



13.9527, 0.4818, 0.4556



13.9527, 0.3994, 0.5196

Triad

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



13.9527, 0.4818, 0.4556



13.9527, 0.1549, 0.3076



13.9527, 0.2919, 0.1996

Complementary

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



13.9527, 0.4818, 0.4556



3.4241, 0.1620, 0.1031

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.



13.9527, 0.2045, 0.1765



13.9527, 0.4818, 0.4556



13.9527, 0.1378, 0.2210

Square

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



13.9527, 0.4818, 0.4556



13.9527, 0.2115, 0.4335



13.9527, 0.1543, 0.1814



13.9527, 0.4047, 0.2468

Rectangle

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



13.9527, 0.4818, 0.4556



13.9527, 0.3345, 0.5335



13.9527, 0.1543, 0.1814



13.9527, 0.2588, 0.1890

Sweetspot

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



13.9534, 0.4818, 0.4556



37.0522, 0.3631, 0.3822



5.5670, 0.5702, 0.2916



8.1268, 0.3698, 0.3887



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



13.9534, 0.4818, 0.4556



24.3088, 0.4835, 0.4543



21.5153, 0.3852, 0.5323



5.5982, 0.3264, 0.3443



12.8180, 0.4816, 0.4558



0.1107, 0.4478, 0.4826

Inverse Universe

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



3.4241, 0.1620, 0.1031



5.7841, 0.1610, 0.0995



2.0780, 0.1615, 0.0664



5.1188, 0.2991, 0.3132



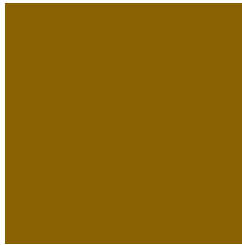
3.1598, 0.1621, 0.1036



0.0441, 0.1841, 0.1828

Previews

White Background



This preview shows how the Yxy color 13.9527, 0.4818, 0.4556 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 13.9527, 0.4818, 0.4556 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 13.9527, 0.4818, 0.4556

Background



This preview shows how black text looks on a background with the Yxy color 13.9527, 0.4818, 0.4556.



This preview shows how white text looks on a background with the Yxy color 13.9527, 0.4818, 0.4556.

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

13.9527, 0.4818, 0.4556

Protanopia

13.9744, 0.4359, 0.4846

Deuteranopia

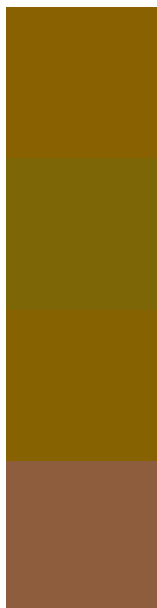
13.9102, 0.4714, 0.4639



Tritanopia

13.9262, 0.3857, 0.3165

Trichromacy



Original Color

13.9527, 0.4818, 0.4556

Protanomaly

13.8759, 0.4524, 0.4741

Deuteranomaly

13.8863, 0.4760, 0.4603

Tritanomaly

13.8392, 0.4379, 0.3844

Monochromacy



Original Color

13.9527, 0.4818, 0.4556

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.5939, 0.3887, 0.4063

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9527, 0.4818, 0.4556 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(138, 97, 0)` looks like.

```
.text, #text, p{  
    color:rgb(138, 97, 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(138, 97, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 97, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.9527, 0.4818, 0.4556 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(138, 97, 0) }
```

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

```
.border{ border-color:rgb(138, 97, 0) }
```

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

Here you see how a box with a 4 pixel rgb(138, 97, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 97, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 97, 0);  
box-shadow:4px 4px 4px 4px rgb(138, 97, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.9527, 0.4818, 0.4556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 97, 0) }
```

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

```
.background{ background-color: rgb(138, 97,  
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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