

Converting Colors

$Y_{xy}(25.9610, 0.4719, 0.4878)$

Have a look what the booklet for
Yxy(25.9610, 0.4719, 0.4878)
contains.

Yxy(26.1544, 0.4594, 0.4734)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.1544, 0.4594, 0.4734)

Conversions

Conversions Part 1

Format	Color
Hex	AA8800
RGB	170, 136, 0
RGB Percent	67%, 53%, 0%
CMY	0.3334, 0.4666, 0.9997
CMYK	0.00, 0.20, 1.00, 0.33
HSL	48°, 100%, 33%
HSV	48°, 100%, 67%
XYZ	25.3809, 26.1544, 3.7127
YIQ	130.6620, 63.9200, -35.0880

Conversions

Conversions Part 2

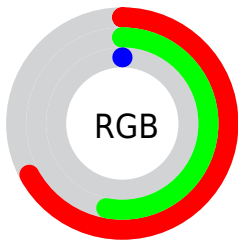
Format	Color
RYB	43, 170, 0
Decimal	11175936
CIELab	58.18, 2.22, 63.05
CIELCh	58, 63.087, 87.981
Yxy	26.1544, 0.4594, 0.4734
Android (android.graphics.Color)	4289366016 (0xFFAA8800)
YUV	130.6620, -64.4164, 34.4994
Hunter-Lab	51.1414, -0.9097, 31.4947

Details

The Yxy color **26.1544, 0.4594, 0.4734** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **4.0505, 0.1557, 0.0806**, and the grayscale version is **22.7910, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.4954, 0.4355, 0.4514**, and **10.3271, 0.4645, 0.4694** is the 20% darker color. If you saturate the color by 10%, you get **26.1508, 0.4594, 0.4734**, and if you desaturate by 10%, it is **27.1693, 0.4513, 0.4721**.

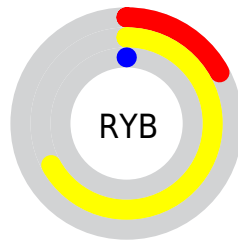
Distribution



Red (67%)

Green (53%)

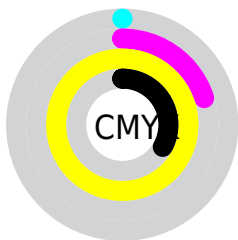
Blue (0%)



Red (17%)

Yellow (67%)

Blue (0%)

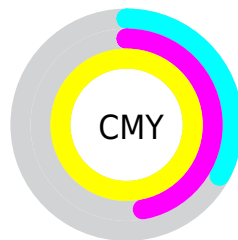


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (33%)



Cyan (33%)


Magenta (47%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.1544, 0.4594, 0.4734 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 26.1544, 0.4594, 0.4734 by changing the saturation by 10% instead.


 26.1544, 0.4594,
0.4734


 26.1544, 0.4594,
0.4734


 283.5392, 0.3883,
0.4047


 16.9392, 0.4725,
0.4854


 53.5239, 0.4361,
0.4514


 10.1911, 0.4897,
0.5008


 72.4470, 0.4264,
0.4420


 5.5259, 0.4960,
0.5040

 95.3749, 0.4179,
0.4338

 2.5590, 0.4985,
0.5015

 122.6919, 0.4104,
0.4265


 0.9061, 0.5031,
0.4969

 154.7824, 0.4039,
0.4201

 0.0000, 0.0000,
0.0000


 192.0309, 0.3981,


0.4143


 234.8217, 0.3929,
0.4093


 26.1544, 0.4594,
0.4734


 26.1544, 0.4594,
0.4734

 26.1508, 0.4594,
0.4734

 27.1693, 0.4513,
0.4721

 28.2483, 0.4408,
0.4671

 29.4068, 0.4277,
0.4576

 30.6512, 0.4125,
0.4441

 31.9874, 0.3958,
0.4275

■ 33.4202, 0.3783,
0.4087

■ 34.9542, 0.3609,
0.3887

■ 36.5934, 0.3439,
0.3684

■ 38.3419, 0.3277,
0.3483

Harmonies

Analogous

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



26.1544, 0.5133, 0.4007



26.1544, 0.4594, 0.4734



26.1544, 0.3726, 0.5247

Triad

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



26.1544, 0.4594, 0.4734



26.1544, 0.1500, 0.2802



26.1544, 0.3218, 0.2129

Complementary

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



26.1544, 0.4594, 0.4734



4.0505, 0.1557, 0.0806

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.



26.1544, 0.2270, 0.1831



26.1544, 0.4594, 0.4734



26.1544, 0.1425, 0.2088

Square

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



26.1544, 0.4594, 0.4734



26.1544, 0.1948, 0.3961



26.1544, 0.1676, 0.1801



26.1544, 0.4317, 0.2647

Rectangle

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



26.1544, 0.4594, 0.4734



26.1544, 0.3080, 0.5214



26.1544, 0.1676, 0.1801



26.1544, 0.2868, 0.2002

Sweetspot

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



26.1557, 0.4594, 0.4734



63.2568, 0.3619, 0.3899



8.6799, 0.6014, 0.3087



13.8482, 0.3690, 0.3982



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



26.1557, 0.4594, 0.4734



47.1384, 0.4603, 0.4727



32.8735, 0.3704, 0.5441



8.5151, 0.3267, 0.3469



19.3183, 0.4589, 0.4738



0.5331, 0.4437, 0.4859

Inverse Universe

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



4.0505, 0.1557, 0.0806



7.0953, 0.1551, 0.0781



3.5376, 0.1687, 0.0704



7.5346, 0.2986, 0.3104



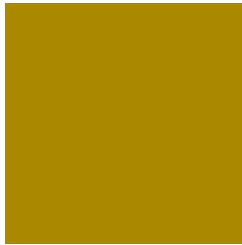
3.0425, 0.1561, 0.0820



0.1405, 0.1719, 0.1387

Previews

White Background



This preview shows how the Yxy color 26.1544, 0.4594, 0.4734 looks on a white background.

Color Contrast Check

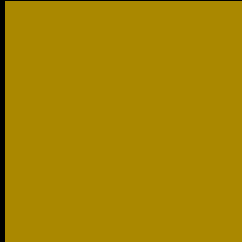
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 26.1544, 0.4594, 0.4734 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 26.1544, 0.4594, 0.4734

Background



This preview shows how black text looks on a background with the Yxy color 26.1544, 0.4594, 0.4734.

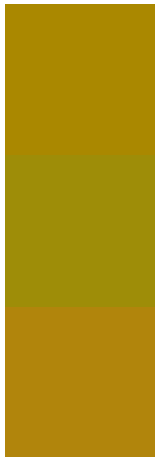


This preview shows how white text looks on a background with the Yxy color 26.1544, 0.4594, 0.4734.

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

26.1544, 0.4594, 0.4734

Protanopia

26.3364, 0.4377, 0.4871

Deuteranopia

26.1487, 0.4686, 0.4609



Tritanopia

26.0464, 0.3627, 0.3145

Trichromacy



Original Color

26.1544, 0.4594, 0.4734

Protanomaly

26.1576, 0.4455, 0.4823

Deuteranomaly

26.0664, 0.4649, 0.4656

Tritanomaly

25.6521, 0.4156, 0.3925

Monochromacy



Original Color

26.1544, 0.4594, 0.4734

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

23.4193, 0.3820, 0.4137

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.1544, 0.4594, 0.4734 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(170, 136, 0)` looks like.

```
.text, #text, p{  
    color:rgb(170, 136, 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(170, 136, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 136, 0) }
```

Border

The CSS property to change the border of an element to Yxy 26.1544, 0.4594, 0.4734 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(170, 136, 0) }
```

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

```
.border{ border-color:rgb(170, 136, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 136, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 136, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 136, 0);  
box-shadow:4px 4px 4px 4px rgb(170, 136,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 26.1544, 0.4594, 0.4734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 136, 0) }
```

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

```
.background{ background-color: rgb(170,  
136, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor