

Converting Colors

$Y_{xy}(27.5368, 0.4833, 0.4544)$

Have a look what the booklet for
Yxy(27.5368, 0.4833, 0.4544)
contains.

Yxy(27.5939, 0.4836, 0.4543)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.5939, 0.4836, 0.4543)

Conversions

Conversions Part 1

Format	Color
Hex	BD8500
RGB	189, 133, 0
RGB Percent	74%, 52%, 0%
CMY	0.2588, 0.4784, 1.0000
CMYK	0.00, 0.30, 1.00, 0.26
HSL	42°, 100%, 37%
HSV	42°, 100%, 74%
XYZ	29.3736, 27.5939, 3.7719
YIQ	134.5820, 76.0690, -29.4910

Conversions

Conversions Part 2

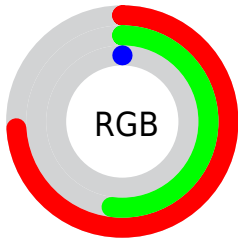
Format	Color
R _Y B	80, 189, 0
Decimal	12420352
CIE Lab	59.52, 12.53, 65.01
CIE LCh	60, 66.206, 79.092
Yxy	27.5939, 0.4836, 0.4543
Android (android.graphics.Color)	4290610432 (0xFFBD8500)
YUV	134.5820, -66.3489, 47.7246
Hunter-Lab	52.5299, 7.8860, 32.5136

Details

The Yxy color **27.5939, 0.4836, 0.4543** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **6.5024, 0.1607, 0.0986**, and the grayscale version is **24.2961, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.8840, 0.4556, 0.4383**, and **11.0865, 0.4960, 0.4443** is the 20% darker color. If you saturate the color by 10%, you get **27.5957, 0.4835, 0.4543**, and if you desaturate by 10%, it is **29.2170, 0.4720, 0.4554**.

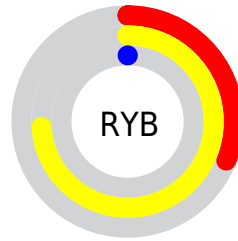
Distribution



Red (74%)

Green (52%)

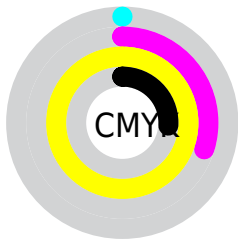
Blue (0%)



Red (31%)

Yellow (74%)

Blue (0%)

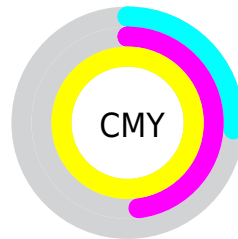


Cyan (0%)

Magenta (30%)

Yellow (100%)

Black (26%)



Cyan (26%)


Magenta (48%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5939, 0.4836, 0.4543 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 27.5939, 0.4836, 0.4543 by changing the saturation by 10% instead.

 27.5939, 0.4836,
0.4543


 27.5939, 0.4836,
0.4543


290.5213, 0.4001,
0.3996


 18.0198, 0.4999,
0.4617


 55.8354, 0.4558,
0.4383


 10.9642, 0.5206,
0.4700


 75.2716, 0.4444,
0.4310

 6.0428, 0.5337,
0.4663

 98.7639, 0.4345,
0.4243

 2.8711, 0.5462,
0.4538

 126.6968, 0.4258,
0.4183

 1.0648, 0.5678,
0.4322

 159.4545, 0.4182,
0.4128

 0.0000, 1.0000,
0.0000


 197.4216, 0.4114,


 0.0000, 0.0000,

0.4079


0.0000

 240.9824, 0.4055,
0.4035


 27.5939, 0.4836,
0.4543


 27.5939, 0.4836,
0.4543


 27.5957, 0.4835,
0.4543

 29.2170, 0.4720,
0.4554

 30.9665, 0.4578,
0.4524

 32.8620, 0.4410,
0.4446

 34.9130, 0.4222,
0.4327

 37.1276, 0.4025,
0.4177

■ 39.5131, 0.3826,
0.4006

■ 42.0761, 0.3633,
0.3825

■ 44.8228, 0.3451,
0.3642

■ 47.7589, 0.3282,
0.3462

Harmonies

Analogous

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



27.5939, 0.5244, 0.3792



27.5939, 0.4836, 0.4543



27.5939, 0.4015, 0.5193

Triad

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



27.5939, 0.4836, 0.4543



27.5939, 0.1552, 0.3097



27.5939, 0.2897, 0.1985

Complementary

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



27.5939, 0.4836, 0.4543



6.5024, 0.1607, 0.0986

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.



27.5939, 0.2028, 0.1759



27.5939, 0.4836, 0.4543



27.5939, 0.1373, 0.2219

Square

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



27.5939, 0.4836, 0.4543



27.5939, 0.2126, 0.4365



27.5939, 0.1532, 0.1813



27.5939, 0.4027, 0.2454

Rectangle

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



27.5939, 0.4836, 0.4543



27.5939, 0.3365, 0.5344



27.5939, 0.1532, 0.1813



27.5939, 0.2567, 0.1880

Sweetspot

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



27.5957, 0.4835, 0.4543



75.1280, 0.3642, 0.3834



11.1116, 0.5767, 0.2950



15.7327, 0.3723, 0.3911



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



27.5957, 0.4835, 0.4543



48.9848, 0.4848, 0.4533



42.9952, 0.3843, 0.5331



10.6301, 0.3271, 0.3451



18.7046, 0.4825, 0.4551



0.8413, 0.4641, 0.4697

Inverse Universe

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



6.5024, 0.1607, 0.0986



11.2838, 0.1600, 0.0960



4.0825, 0.1597, 0.0654



9.6738, 0.2984, 0.3124



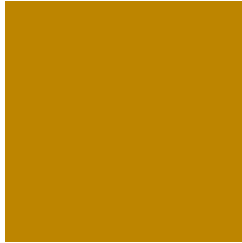
4.4925, 0.1613, 0.1008



0.2936, 0.1754, 0.1512

Previews

White Background



This preview shows how the Yxy color 27.5939, 0.4836, 0.4543 looks on a white background.

Color Contrast Check

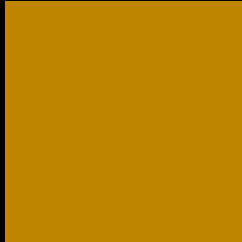
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5939, 0.4836, 0.4543 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 27.5939, 0.4836, 0.4543

Background



This preview shows how black text looks on a background with the Yxy color 27.5939, 0.4836, 0.4543.



This preview shows how white text looks on a background with the Yxy color 27.5939, 0.4836, 0.4543.

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

27.5939, 0.4836, 0.4543

Protanopia

27.6544, 0.4378, 0.4855

Deuteranopia

27.5534, 0.4723, 0.4632



Tritanopia

27.7109, 0.3884, 0.3170

Trichromacy



Original Color

27.5939, 0.4836, 0.4543

Protanomaly

27.5444, 0.4547, 0.4738

Deuteranomaly

27.6422, 0.4768, 0.4596

Tritanomaly

27.1721, 0.4423, 0.3849

Monochromacy



Original Color

27.5939, 0.4836, 0.4543

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.6906, 0.3906, 0.4065

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5939, 0.4836, 0.4543 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(189, 133, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 133, 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(189, 133, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 133, 0) }
```

Border

The CSS property to change the border of an element to Yxy 27.5939, 0.4836, 0.4543 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(189, 133, 0) }
```

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

```
.border{ border-color:rgb(189, 133, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 133, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 133, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 133, 0);  
box-shadow:4px 4px 4px 4px rgb(189, 133,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5939, 0.4836, 0.4543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 133, 0) }
```

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

```
.background{ background-color: rgb(189,  
133, 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