

Converting Colors

$Y_{xy}(31.7386, 0.4294, 0.5179)$

Have a look what the booklet for
Yxy(31.7386, 0.4294, 0.5179)
contains.

Yxy(31.8246, 0.4204, 0.5044)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.8246, 0.4204, 0.5044)

Conversions

Conversions Part 1

Format	Color
Hex	9F9E00
RGB	159, 158, 0
RGB Percent	62%, 62%, 0%
CMY	0.3765, 0.3804, 1.0000
CMYK	0.00, 0.01, 1.00, 0.38
HSL	60°, 100%, 31%
HSV	60°, 100%, 62%
XYZ	26.5247, 31.8246, 4.7447
YIQ	140.2870, 51.3140, -48.9260

Conversions

Conversions Part 2

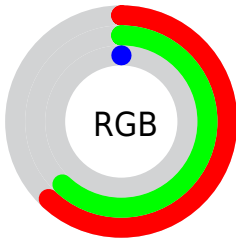
Format	Color
R _Y B	1, 159, 0
Decimal	10460672
CIE Lab	63.20, -14.63, 66.17
CIE LCh	63, 67.765, 102.464
Yxy	31.8246, 0.4204, 0.5044
Android (android.graphics.Color)	4288650752 (0xFF9F9E00)
YUV	140.2870, -69.1615, 16.4113
Hunter-Lab	56.4133, -14.7952, 34.5027

Details

The Yxy color **31.8246, 0.4204, 0.5044** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.5250, 0.1501, 0.0605**, and the grayscale version is **26.6040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3331, 0.4063, 0.4743**, and **13.3990, 0.4132, 0.5102** is the 20% darker color. If you saturate the color by 10%, you get **31.8260, 0.4204, 0.5044**, and if you desaturate by 10%, it is **31.8971, 0.4177, 0.5002**.

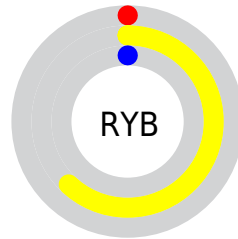
Distribution



Red (62%)

Green (62%)

Blue (0%)



Red (0%)

Yellow (62%)

Blue (0%)

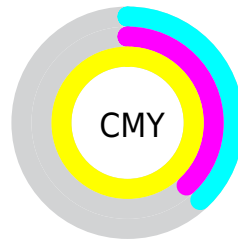


Cyan (0%)

Magenta (1%)

Yellow (100%)

Black (38%)



Cyan (38%)


Magenta (38%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8246, 0.4204, 0.5044 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 31.8246, 0.4204, 0.5044 by changing the saturation by 10% instead.


 31.8246, 0.4204,
0.5044


 31.8246, 0.4204,
0.5044


310.3195, 0.3730,
0.4171


 21.2276, 0.4272,
0.5226


 62.5360, 0.4063,
0.4746


 13.2904, 0.4327,
0.5435

 83.4192, 0.4000,
0.4626


 7.6289, 0.4341,
0.5659


 108.4998, 0.3942,
0.4523

 3.8584, 0.4201,
0.5799

 138.1624, 0.3890,
0.4433

 1.5947, 0.3962,
0.6038

 172.7913, 0.3844,
0.4355

 0.3540, 0.0000,
1.0000


 212.7708, 0.3802,


 0.0000, 0.0000,


0.4286

0.0000

 258.4854, 0.3764,
0.4225


 31.8246, 0.4204,
0.5044


 31.8246, 0.4204,
0.5044

 31.8260, 0.4204,
0.5044

 31.8971, 0.4177,
0.5002

 31.9972, 0.4130,
0.4928

 32.1389, 0.4059,
0.4812

 32.3276, 0.3963,
0.4657

 32.5678, 0.3846,
0.4467

■ 32.8636, 0.3713,
0.4250

■ 33.2185, 0.3569,
0.4015

■ 33.6359, 0.3421,
0.3772

■ 34.1187, 0.3272,
0.3528

Harmonies

Analogous

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



31.8246, 0.4939, 0.4366



31.8246, 0.4204, 0.5044



31.8246, 0.3258, 0.5278

Triad

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



31.8246, 0.4204, 0.5044



31.8246, 0.1413, 0.2391



31.8246, 0.3759, 0.2351

Complementary

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



31.8246, 0.4204, 0.5044



2.5250, 0.1501, 0.0605

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.



31.8246, 0.2685, 0.1937



31.8246, 0.4204, 0.5044



31.8246, 0.1499, 0.1897

Square

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



31.8246, 0.4204, 0.5044



31.8246, 0.1674, 0.3361



31.8246, 0.1911, 0.1773



31.8246, 0.4767, 0.2948

Rectangle

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



31.8246, 0.4204, 0.5044



31.8246, 0.2619, 0.4926



31.8246, 0.1911, 0.1773



31.8246, 0.3383, 0.2189

Sweetspot

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



31.8261, 0.4204, 0.5044



59.4533, 0.3578, 0.4029



7.3768, 0.6379, 0.3288



13.3444, 0.3636, 0.4123



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.



31.8261, 0.4204, 0.5044



56.9875, 0.4204, 0.5044



26.5964, 0.3397, 0.5685



7.7133, 0.3261, 0.3510



25.1404, 0.4204, 0.5044



0.4515, 0.4199, 0.5048

Inverse Universe

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



2.5250, 0.1501, 0.0605



4.5110, 0.1501, 0.0603



4.0751, 0.2002, 0.0877



6.4416, 0.2987, 0.3060



1.9965, 0.1502, 0.0605



0.0374, 0.1509, 0.0632

Previews

White Background



This preview shows how the Yxy color 31.8246, 0.4204, 0.5044 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 31.8246, 0.4204, 0.5044 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 ✓ Pass

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

Yxy 31.8246, 0.4204, 0.5044

Background



This preview shows how black text looks on a background with the Yxy color 31.8246, 0.4204, 0.5044.



This preview shows how white text looks on a background with the Yxy color 31.8246, 0.4204, 0.5044.

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

31.8246, 0.4204, 0.5044

Protanopia

31.6667, 0.4411, 0.4880

Deuteranopia

31.6542, 0.4664, 0.4574



Tritanopia

31.7711, 0.3249, 0.3131

Trichromacy



Original Color

31.8246, 0.4204, 0.5044

Protanomaly

31.7675, 0.4334, 0.4941

Deuteranomaly

31.6709, 0.4505, 0.4748

Tritanomaly

31.0721, 0.3768, 0.4046

Monochromacy



Original Color

31.8246, 0.4204, 0.5044

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

27.7917, 0.3700, 0.4237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8246, 0.4204, 0.5044 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(159, 158, 0)` looks like.

```
.text, #text, p{  
    color:rgb(159, 158, 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(159, 158, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 158, 0) }
```

Border

The CSS property to change the border of an element to Yxy 31.8246, 0.4204, 0.5044 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(159, 158, 0) }
```

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

```
.border{ border-color:rgb(159, 158, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 158, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 158, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 158, 0);  
box-shadow:4px 4px 4px 4px rgb(159, 158,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8246, 0.4204, 0.5044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 158, 0) }
```

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

```
.background{ background-color: rgb(159,  
158, 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