

Converting Colors

$Y_{xy}(29.4051, 0.4478, 0.5281)$

Have a look what the booklet for
Yxy(29.4051, 0.4478, 0.5281)
contains.

Yxy(29.6068, 0.4294, 0.4973)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(29.6068, 0.4294, 0.4973)$

Conversions

Conversions Part 1

Format	Color
Hex	A09700
RGB	160, 151, 0
RGB Percent	63%, 59%, 0%
CMY	0.3725, 0.4078, 1.0000
CMYK	0.00, 0.06, 1.00, 0.37
HSL	57°, 100%, 31%
HSV	57°, 100%, 63%
XYZ	25.5644, 29.6068, 4.3639
YIQ	136.4770, 53.8350, -45.0530

Conversions

Conversions Part 2

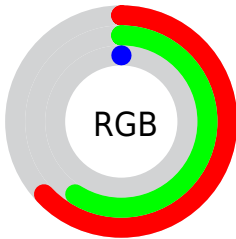
Format	Color
R_{YB}	10, 160, 0
Decimal	10524416
CIE Lab	61.31, -10.50, 64.86
CIE LCh	61, 65.699, 99.193
Yxy	29.6068, 0.4294, 0.4973
Android (android.graphics.Color)	4288714496 (0xFFA09700)
YUV	136.4770, -67.2832, 20.6297
Hunter-Lab	54.4121, -11.3569, 33.3334

Details

The Yxy color **29.6068, 0.4294, 0.4973** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.7338, 0.1512, 0.0641**, and the grayscale version is **25.0531, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.0359, 0.4129, 0.4695**, and **12.2504, 0.4242, 0.5014** is the 20% darker color. If you saturate the color by 10%, you get **29.6084, 0.4294, 0.4973**, and if you desaturate by 10%, it is **29.9368, 0.4255, 0.4936**.

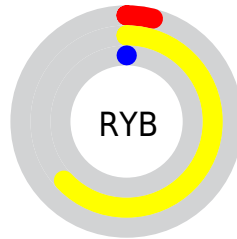
Distribution



Red (63%)

Green (59%)

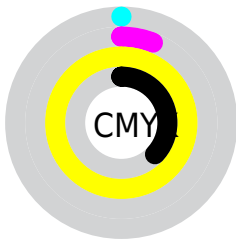
Blue (0%)



Red (4%)

Yellow (63%)

Blue (0%)

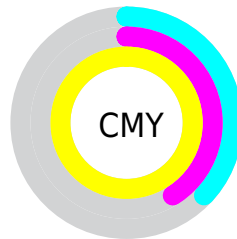


Cyan (0%)

Magenta (6%)

Yellow (100%)

Black (37%)



Cyan (37%)

Magenta (41%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.6068, 0.4294, 0.4973 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 29.6068, 0.4294, 0.4973 by changing the saturation by 10% instead.

■ 29.6068, 0.4294,
0.4973

■ 29.6068, 0.4294,
0.4973

■ 300.0673, 0.3764,
0.4138

■ 19.5403, 0.4376,
0.5143

■ 59.0398, 0.4131,
0.4690

■ 12.0614, 0.4459,
0.5344

■ 79.1751, 0.4060,
0.4576

■ 6.7855, 0.4479,
0.5521

■ 103.4355, 0.3995,
0.4476

■ 3.3283, 0.4370,
0.5630

■ 132.2054, 0.3938,
0.4390

■ 1.3054, 0.4180,
0.5820

■ 165.8691, 0.3887,
0.4315


■ 0.1454, 0.0000,
1.0000


■ 204.8110, 0.3841,

■ 0.0000, 0.0000,

0.4249


0.0000


 249.4157, 0.3800,
0.4190


 29.6068, 0.4294,
0.4973


 29.6068, 0.4294,
0.4973

 29.6084, 0.4294,
0.4973

 29.9368, 0.4255,
0.4936

 30.2968, 0.4196,
0.4867

 30.7013, 0.4110,
0.4755

 31.1557, 0.4002,
0.4604

 31.6646, 0.3873,
0.4419

■ 32.2320, 0.3730,
0.4209

■ 32.8617, 0.3579,
0.3983

■ 33.5569, 0.3425,
0.3749

■ 34.3209, 0.3274,
0.3517

Harmonies

Analogous

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



29.6068, 0.4987, 0.4282



29.6068, 0.4294, 0.4973



29.6068, 0.3366, 0.5278

Triad

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



29.6068, 0.4294, 0.4973



29.6068, 0.1433, 0.2479



29.6068, 0.3633, 0.2301

Complementary

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



29.6068, 0.4294, 0.4973



2.7338, 0.1512, 0.0641

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.



29.6068, 0.2587, 0.1914



29.6068, 0.4294, 0.4973



29.6068, 0.1482, 0.1939

Square

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



29.6068, 0.4294, 0.4973



29.6068, 0.1734, 0.3492



29.6068, 0.1856, 0.1779



29.6068, 0.4667, 0.2880

Rectangle

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



29.6068, 0.4294, 0.4973



29.6068, 0.2724, 0.5001



29.6068, 0.1856, 0.1779



29.6068, 0.3262, 0.2147

Sweetspot

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



29.6084, 0.4294, 0.4973



59.5927, 0.3588, 0.3996



7.4977, 0.6318, 0.3254



12.9682, 0.3648, 0.4086



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.



29.6084, 0.4294, 0.4973



53.6542, 0.4296, 0.4971



27.3513, 0.3468, 0.5628



7.6564, 0.3262, 0.3499



23.0841, 0.4293, 0.4974



0.4301, 0.4249, 0.5008

Inverse Universe

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



2.7338, 0.1512, 0.0641



4.8657, 0.1508, 0.0630



3.8158, 0.1911, 0.0826



6.4922, 0.2987, 0.3072



2.1515, 0.1513, 0.0647



0.0540, 0.1575, 0.0871

Previews

White Background



This preview shows how the Yxy color 29.6068, 0.4294, 0.4973 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 29.6068, 0.4294, 0.4973 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 29.6068, 0.4294, 0.4973

Background



This preview shows how black text looks on a background with the Yxy color 29.6068, 0.4294, 0.4973.



This preview shows how white text looks on a background with the Yxy color 29.6068, 0.4294, 0.4973.

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

29.6068, 0.4294, 0.4973

Protanopia

29.7104, 0.4394, 0.4893

Deuteranopia

29.3751, 0.4675, 0.4577



Tritanopia

29.4255, 0.3330, 0.3128

Trichromacy



Original Color

29.6068, 0.4294, 0.4973

Protanomaly

29.7052, 0.4350, 0.4928

Deuteranomaly

29.3227, 0.4541, 0.4725

Tritanomaly

28.8980, 0.3869, 0.4020

Monochromacy



Original Color

29.6068, 0.4294, 0.4973

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.7576, 0.3730, 0.4191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6068, 0.4294, 0.4973 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(160, 151, 0)` looks like.

```
.text, #text, p{  
    color:rgb(160, 151, 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(160, 151, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 151, 0) }
```

Border

The CSS property to change the border of an element to Yxy 29.6068, 0.4294, 0.4973 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(160, 151, 0) }
```

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

```
.border{ border-color:rgb(160, 151, 0) }
```

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

Here you see how a box with a 4 pixel rgb(160, 151, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 151, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 151, 0);  
box-shadow:4px 4px 4px 4px rgb(160, 151,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6068, 0.4294, 0.4973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 151, 0) }
```

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

```
.background{ background-color: rgb(160,  
151, 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