

Converting Colors

$Y_{xy}(32.8774, 0.4190, 0.5055)$

Have a look what the booklet for
Yxy(32.8774, 0.4190, 0.5055)
contains.

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Color

Yxy(32.9633, 0.4183, 0.5061)

Conversions

Conversions Part 1

Format	Color
Hex	A0A100
RGB	160, 161, 0
RGB Percent	63%, 63%, 0%
CMY	0.3725, 0.3686, 1.0000
CMYK	0.01, 0.00, 1.00, 0.37
HSL	60°, 100%, 32%
HSV	60°, 100%, 63%
XYZ	27.2447, 32.9633, 4.9240
YIQ	142.3470, 51.0850, -50.2830

Conversions

Conversions Part 2

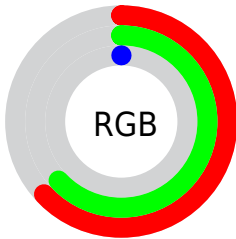
Format	Color
RYB	0, 161, 1
Decimal	10526976
CIELab	64.13, -15.72, 66.90
CIELCh	64, 68.724, 103.222
Yxy	32.9633, 0.4183, 0.5061
Android (android.graphics.Color)	4288717056 (0xFFA0A100)
YUV	142.3470, -70.1771, 15.4817
Hunter-Lab	57.4137, -15.7697, 35.1047

Details

The Yxy color **32.9633, 0.4183, 0.5061** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.5795, 0.1502, 0.0601**, and the grayscale version is **27.4658, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.5116, 0.4044, 0.4769**, and **14.0949, 0.4103, 0.5124** is the 20% darker color. If you saturate the color by 10%, you get **32.9650, 0.4183, 0.5061**, and if you desaturate by 10%, it is **33.0128, 0.4158, 0.5017**.

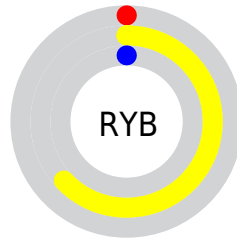
Distribution



Red (63%)

Green (63%)

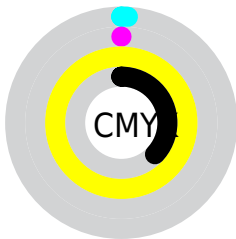
Blue (0%)



Red (0%)

Yellow (63%)

Blue (0%)

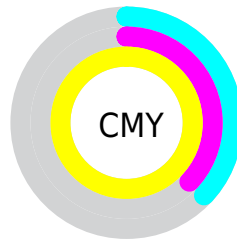


Cyan (1%)

Magenta (0%)

Yellow (100%)

Black (37%)



Cyan (37%)


Magenta (37%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9633, 0.4183, 0.5061 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 32.9633, 0.4183, 0.5061 by changing the saturation by 10% instead.


 32.9633, 0.4183,
0.5061

 32.9633, 0.4183,
0.5061


315.4843, 0.3724,
0.4182


 22.0983, 0.4247,
0.5244


 64.3182, 0.4048,
0.4761


 13.9292, 0.4296,
0.5453


 85.5770, 0.3987,
0.4640


 8.0714, 0.4311,
0.5689

 111.0691, 0.3931,
0.4536

 4.1407, 0.4166,
0.5834

 141.1790, 0.3880,
0.4446

 1.7526, 0.3923,
0.6077

 176.2911, 0.3835,
0.4367

 0.4573, 0.1003,
0.8997

 216.7898, 0.3794,

 0.0000, 0.0000,

0.4298

0.0000

263.0594, 0.3758,
0.4236

32.9633, 0.4183,
0.5061

32.9633, 0.4183,
0.5061

32.9650, 0.4183,
0.5061

33.0128, 0.4158,
0.5017

33.0906, 0.4114,
0.4942

33.2112, 0.4046,
0.4825

33.3802, 0.3952,
0.4668

33.6022, 0.3838,
0.4476

■ 33.8813, 0.3707,
0.4257

■ 34.2213, 0.3566,
0.4021

■ 34.6256, 0.3419,
0.3776

■ 35.0974, 0.3271,
0.3530

Harmonies

Analogous

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



32.9633, 0.4929, 0.4385



32.9633, 0.4183, 0.5061



32.9633, 0.3233, 0.5278

Triad

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



32.9633, 0.4183, 0.5061



32.9633, 0.1409, 0.2371



32.9633, 0.3789, 0.2363

Complementary

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



32.9633, 0.4183, 0.5061



2.5795, 0.1502, 0.0601

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.



32.9633, 0.2708, 0.1942



32.9633, 0.4183, 0.5061



32.9633, 0.1502, 0.1887

Square

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



32.9633, 0.4183, 0.5061



32.9633, 0.1659, 0.3330



32.9633, 0.1924, 0.1771



32.9633, 0.4791, 0.2963

Rectangle

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



32.9633, 0.4183, 0.5061



32.9633, 0.2595, 0.4909



32.9633, 0.1924, 0.1771



32.9633, 0.3412, 0.2198

Sweetspot

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



32.9650, 0.4183, 0.5061



61.2512, 0.3574, 0.4035



7.5770, 0.6401, 0.3300



13.3782, 0.3630, 0.4129



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.



32.9650, 0.4183, 0.5061



59.0351, 0.4183, 0.5061



27.2167, 0.3373, 0.5704



8.2351, 0.3261, 0.3512



26.3293, 0.4183, 0.5061



0.5539, 0.4187, 0.5058

Inverse Universe

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



2.5795, 0.1502, 0.0601



4.6166, 0.1502, 0.0601



4.3005, 0.2033, 0.0894



6.8619, 0.2988, 0.3058



2.0609, 0.1503, 0.0601



0.0439, 0.1515, 0.0608

Previews

White Background



This preview shows how the Yxy color 32.9633, 0.4183, 0.5061 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 32.9633, 0.4183, 0.5061 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 32.9633, 0.4183, 0.5061

Background



This preview shows how black text looks on a background with the Yxy color 32.9633, 0.4183, 0.5061.



This preview shows how white text looks on a background with the Yxy color 32.9633, 0.4183, 0.5061.

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

32.9633, 0.4183, 0.5061

Protanopia

32.8909, 0.4397, 0.4891

Deuteranopia

32.6734, 0.4667, 0.4569



Tritanopia

33.0438, 0.3236, 0.3133

Trichromacy



Original Color

32.9633, 0.4183, 0.5061

Protanomaly

32.9998, 0.4321, 0.4951

Deuteranomaly

32.5612, 0.4500, 0.4749

Tritanomaly

32.2860, 0.3764, 0.4066

Monochromacy



Original Color

32.9633, 0.4183, 0.5061

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.6226, 0.3702, 0.4241

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9633, 0.4183, 0.5061 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, 161, 0)` looks like.

```
.text, #text, p{  
    color:rgb(160, 161, 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, 161, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 161, 0) }
```

Border

The CSS property to change the border of an element to Yxy 32.9633, 0.4183, 0.5061 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, 161, 0) }
```

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

```
.border{ border-color:rgb(160, 161, 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, 161, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 161, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 161, 0);  
box-shadow:4px 4px 4px 4px rgb(160, 161,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9633, 0.4183, 0.5061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 161, 0) }
```

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

```
.background{ background-color: rgb(160,  
161, 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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