

Converting Colors

$Y_{xy}(28.4001, 0.4186, 0.5011)$

Have a look what the booklet for
Yxy(28.4001, 0.4186, 0.5011)
contains.

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Color

$\text{Yxy}(28.4162, 0.4185, 0.5012)$

Conversions

Conversions Part 1

Format	Color
Hex	97960B
RGB	151, 150, 11
RGB Percent	59%, 59%, 4%
CMY	0.4079, 0.4117, 0.9566
CMYK	0.00, 0.01, 0.93, 0.41
HSL	60°, 86%, 32%
HSV	60°, 93%, 59%
XYZ	23.7274, 28.4162, 4.5527
YIQ	134.4530, 45.2150, -43.0170

Conversions

Conversions Part 2

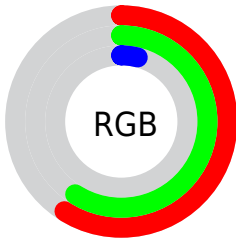
Format	Color
R_{YB}	12, 151, 11
Decimal	9934347
CIE Lab	60.26, -13.89, 62.07
CIE LCh	60, 63.606, 102.615
Yxy	28.4162, 0.4185, 0.5012
Android (android.graphics.Color)	4288124427 (0xFF97960B)
YUV	134.4530, -60.8623, 14.5117
Hunter-Lab	53.3068, -13.8348, 32.2511

Details

The Yxy color **28.4162, 0.4185, 0.5012** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.5695, 0.1546, 0.0678**, and the grayscale version is **24.2352, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2628, 0.4040, 0.4703**, and **11.6011, 0.4128, 0.5105** is the 20% darker color. If you saturate the color by 10%, you get **28.3686, 0.4205, 0.5043**, and if you desaturate by 10%, it is **28.5022, 0.4144, 0.4948**.

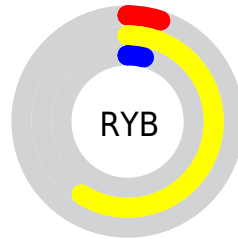
Distribution



Red (59%)

Green (59%)

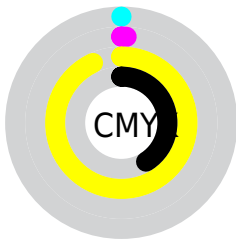
Blue (4%)



Red (5%)

Yellow (59%)

Blue (4%)

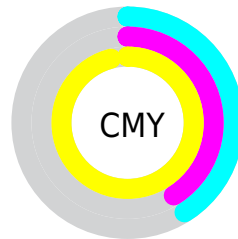


Cyan (0%)

Magenta (1%)

Yellow (93%)

Black (41%)



Cyan (41%)


Magenta (41%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.4162, 0.4185, 0.5012 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 28.4162, 0.4185, 0.5012 by changing the saturation by 10% instead.


 28.4162, 0.4185,
0.5012

 28.4162, 0.4185,
0.5012


294.4504, 0.3704,
0.4132


 18.6396, 0.4258,
0.5203


 57.1482, 0.4038,
0.4705


 11.4102, 0.4325,
0.5431


 76.8725, 0.3973,
0.4584


 6.3434, 0.4335,
0.5665


 100.6815, 0.3914,
0.4481

 3.0550, 0.4182,
0.5818

 128.9595, 0.3862,
0.4391

 1.1605, 0.3896,
0.6104

 162.0910, 0.3816,
0.4313

 0.0291, 0.0000,
1.0000

 200.4604, 0.3774,

 0.0000, 0.0000,

0.4245

0.0000

244.4520, 0.3737,
0.4185

28.4162, 0.4185,
0.5012

28.4162, 0.4185,
0.5012

28.3686, 0.4205,
0.5043

28.5022, 0.4144,
0.4948

28.6224, 0.4078,
0.4843

28.7833, 0.3988,
0.4697

28.9888, 0.3877,
0.4515

29.2426, 0.3747,
0.4305

■ 29.5479, 0.3607,
0.4075

■ 29.9078, 0.3459,
0.3835

■ 30.3250, 0.3311,
0.3591

■ 30.8020, 0.3165,
0.3352

Harmonies

Analogous

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



28.4162, 0.4902, 0.4357



28.4162, 0.4185, 0.5012



28.4162, 0.3258, 0.5223

Triad

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



28.4162, 0.4185, 0.5012



28.4162, 0.1446, 0.2411



28.4162, 0.3751, 0.2374

Complementary

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



28.4162, 0.4185, 0.5012



2.5695, 0.1546, 0.0678

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.



28.4162, 0.2702, 0.1965



28.4162, 0.4185, 0.5012



28.4162, 0.1530, 0.1925

Square

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



28.4162, 0.4185, 0.5012



28.4162, 0.1703, 0.3357



28.4162, 0.1939, 0.1802



28.4162, 0.4730, 0.2962

Rectangle

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



28.4162, 0.4185, 0.5012



28.4162, 0.2632, 0.4874



28.4162, 0.1939, 0.1802



28.4162, 0.3384, 0.2213

Sweetspot

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



28.4175, 0.4185, 0.5012



53.1818, 0.3547, 0.3977



6.8489, 0.6217, 0.3287



12.0315, 0.3605, 0.4073



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



28.4175, 0.4185, 0.5012



50.8045, 0.4205, 0.5043



24.0078, 0.3431, 0.5595



7.2155, 0.3260, 0.3508



24.1414, 0.4205, 0.5043



0.3629, 0.4199, 0.5048

Inverse Universe

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



2.5695, 0.1546, 0.0678



4.0312, 0.1501, 0.0604



4.1241, 0.2089, 0.0967



6.0329, 0.2988, 0.3062



1.9221, 0.1502, 0.0606



0.0303, 0.1510, 0.0636

Previews

White Background



This preview shows how the Yxy color 28.4162, 0.4185, 0.5012 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 28.4162, 0.4185, 0.5012 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 28.4162, 0.4185, 0.5012

Background



This preview shows how black text looks on a background with the Yxy color 28.4162, 0.4185, 0.5012.

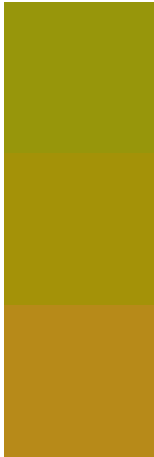


This preview shows how white text looks on a background with the Yxy color 28.4162, 0.4185, 0.5012.

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

28.4162, 0.4185, 0.5012

Protanopia

28.4678, 0.4384, 0.4868

Deuteranopia

28.3144, 0.4646, 0.4569



Tritanopia

28.2443, 0.3255, 0.3123

Trichromacy



Original Color

28.4162, 0.4185, 0.5012

Protanomaly

28.2581, 0.4314, 0.4919

Deuteranomaly

28.0544, 0.4483, 0.4729

Tritanomaly

27.7139, 0.3739, 0.3989

Monochromacy



Original Color

28.4162, 0.4185, 0.5012

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

25.0529, 0.3655, 0.4163

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4162, 0.4185, 0.5012 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(151, 150, 11)` looks like.

```
.text, #text, p{  
    color:rgb(151, 150, 11)  
}
```

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(151, 150, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 150, 11) }
```

Border

The CSS property to change the border of an element to Yxy 28.4162, 0.4185, 0.5012 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(151, 150, 11) }
```

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

```
.border{ border-color:rgb(151, 150, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 150, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 150, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 150, 11);  
box-shadow:4px 4px 4px 4px rgb(151, 150,  
11) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4162, 0.4185, 0.5012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 150, 11) }
```

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

```
.background{ background-color: rgb(151,  
150, 11) }
```

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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