

Converting Colors

$Y_{xy}(28.3736, 0.4157, 0.4701)$

Have a look what the booklet for
Yxy(28.3736, 0.4157, 0.4701)
contains.

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Color

$\text{Yxy}(28.3418, 0.4159, 0.4706)$

Conversions

Conversions Part 1

Format	Color
Hex	9E932F
RGB	158, 147, 47
RGB Percent	62%, 58%, 18%
CMY	0.3804, 0.4235, 0.8158
CMYK	0.00, 0.07, 0.70, 0.38
HSL	54°, 54%, 40%
HSV	54°, 70%, 62%
XYZ	25.0475, 28.3418, 6.8355
YIQ	138.8890, 38.6560, -28.7680

Conversions

Conversions Part 2

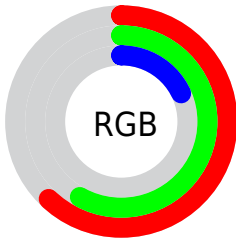
Format	Color
R _Y B	59, 158, 47
Decimal	10392367
CIE Lab	60.20, -7.87, 51.89
CIE LCh	60, 52.479, 98.625
Yxy	28.3418, 0.4159, 0.4706
Android (android.graphics.Color)	4288582447 (0xFF9E932F)
YUV	138.8890, -45.3013, 16.7603
Hunter-Lab	53.2370, -9.1823, 29.6532

Details

The Yxy color **28.3418, 0.4159, 0.4706** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.0948, 0.1844, 0.1270**, and the grayscale version is **25.9398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.1212, 0.3984, 0.4448**, and **11.4330, 0.4293, 0.4973** is the 20% darker color. If you saturate the color by 10%, you get **27.7544, 0.4256, 0.4813**, and if you desaturate by 10%, it is **28.9846, 0.4039, 0.4560**.

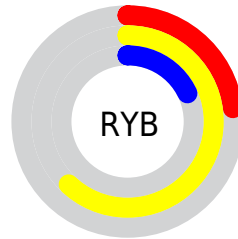
Distribution



Red (62%)

Green (58%)

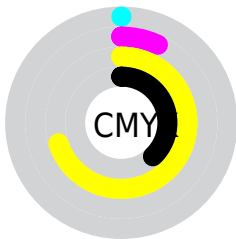
Blue (18%)



Red (23%)

Yellow (62%)

Blue (18%)

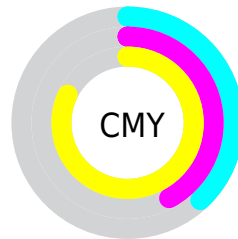


Cyan (0%)

Magenta (7%)

Yellow (70%)

Black (38%)



Cyan (38%)


Magenta (42%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3418, 0.4159, 0.4706 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 28.3418, 0.4159, 0.4706 by changing the saturation by 10% instead.


 28.3418, 0.4159,
0.4706

 28.3418, 0.4159,
0.4706


294.0966, 0.3652,
0.3972

 18.5835, 0.4262,
0.4877


 57.0297, 0.3987,
0.4443

 11.3697, 0.4370,
0.5076


 76.7280, 0.3918,
0.4342

 6.3161, 0.4567,
0.5423


 100.5085, 0.3858,
0.4256

 3.0382, 0.4487,
0.5513

 128.7555, 0.3806,
0.4183

 1.1517, 0.4335,
0.5665

 161.8534, 0.3760,
0.4119

 0.0217, 0.0000,
1.0000

 200.1866, 0.3720,

 0.0000, 0.0000,

0.4064

0.0000

244.1395, 0.3684,
0.4015

■ 28.3418, 0.4159,
0.4706

■ 28.3418, 0.4159,
0.4706

■ 27.7544, 0.4256,
0.4813

■ 28.9846, 0.4039,
0.4560

■ 27.2132, 0.4327,
0.4877

■ 29.6834, 0.3900,
0.4381

■ 26.7202, 0.4376,
0.4907

■ 30.4435, 0.3749,
0.4178

■ 31.2684, 0.3591,
0.3960

■ 32.1614, 0.3433,
0.3735

■ 33.1257, 0.3279,
0.3512

■ 34.1639, 0.3131,
0.3296

■ 35.2788, 0.2993,
0.3090

■ 36.4730, 0.2864,
0.2897

Harmonies

Analogous

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



28.3418, 0.4701, 0.4173



28.3418, 0.4159, 0.4706



28.3418, 0.3386, 0.4883

Triad

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



28.3418, 0.4159, 0.4706



28.3418, 0.1694, 0.2659



28.3418, 0.3534, 0.2452

Complementary

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



28.3418, 0.4159, 0.4706



6.0948, 0.1844, 0.1270

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.



28.3418, 0.2676, 0.2117



28.3418, 0.4159, 0.4706



28.3418, 0.1724, 0.2171

Square

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



28.3418, 0.4159, 0.4706



28.3418, 0.1981, 0.3492



28.3418, 0.2051, 0.2010



28.3418, 0.4366, 0.2958

Rectangle

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



28.3418, 0.4159, 0.4706



28.3418, 0.2843, 0.4644



28.3418, 0.2051, 0.2010



28.3418, 0.3233, 0.2318

Sweetspot

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



28.3431, 0.4159, 0.4706



58.2110, 0.3451, 0.3761



9.6059, 0.5204, 0.3148



13.0271, 0.3492, 0.3819



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.



28.3431, 0.4159, 0.4706



49.8614, 0.4297, 0.4852



28.2102, 0.3573, 0.5135



7.6080, 0.3263, 0.3490



21.4309, 0.4374, 0.4909



0.4124, 0.4294, 0.4973

Inverse Universe

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



6.0948, 0.1844, 0.1270



7.1087, 0.1633, 0.0894



6.7424, 0.2248, 0.1314



6.5358, 0.2987, 0.3082



2.2952, 0.1524, 0.0686



0.0683, 0.1628, 0.1060

Previews

White Background



This preview shows how the Yxy color 28.3418, 0.4159, 0.4706 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 28.3418, 0.4159, 0.4706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

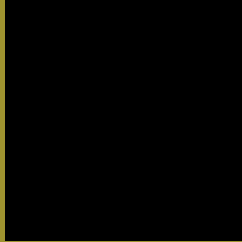
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3418, 0.4159, 0.4706

Background



This preview shows how black text looks on a background with the Yxy color 28.3418, 0.4159, 0.4706.



This preview shows how white text looks on a background with the Yxy color 28.3418, 0.4159, 0.4706.

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

28.3418, 0.4159, 0.4706

Protanopia

28.2426, 0.4236, 0.4648

Deuteranopia

28.2310, 0.4494, 0.4418



Tritanopia

28.1364, 0.3334, 0.3126

Trichromacy



Original Color

28.3418, 0.4159, 0.4706

Protanomaly

28.3401, 0.4203, 0.4673

Deuteranomaly

28.1557, 0.4379, 0.4514

Tritanomaly

27.9840, 0.3692, 0.3758

Monochromacy



Original Color

28.3418, 0.4159, 0.4706

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.4976, 0.3543, 0.3891

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3418, 0.4159, 0.4706 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(158, 147, 47)` looks like.

```
.text, #text, p{  
    color:rgb(158, 147, 47)  
}
```

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(158, 147, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 147, 47) }
```

Border

The CSS property to change the border of an element to Yxy 28.3418, 0.4159, 0.4706 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(158, 147, 47) }
```

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

```
.border{ border-color:rgb(158, 147, 47) }
```

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

Here you see how a box with a 4 pixel rgb(158, 147, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 147, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 147, 47);  
box-shadow:4px 4px 4px 4px rgb(158, 147,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3418, 0.4159, 0.4706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 147, 47) }
```

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

```
.background{ background-color: rgb(158,  
147, 47) }
```

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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