

Converting Colors

$Y_{xy}(28.2703, 0.3941, 0.4767)$

Have a look what the booklet for
Yxy(28.2703, 0.3941, 0.4767)
contains.

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Color

Yxy(28.0988, 0.3938, 0.4760)

Conversions

Conversions Part 1

Format	Color
Hex	919636
RGB	145, 150, 54
RGB Percent	57%, 59%, 21%
CMY	0.4314, 0.4117, 0.7883
CMYK	0.03, 0.00, 0.64, 0.41
HSL	63°, 47%, 40%
HSV	63°, 64%, 59%
XYZ	23.2464, 28.0988, 7.6858
YIQ	137.5610, 27.8360, -30.9160

Conversions

Conversions Part 2

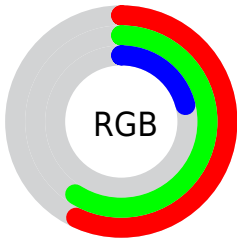
Format	Color
R_{YB}	54, 150, 59
Decimal	9541174
CIE _{Lab}	59.98, -14.80, 48.34
CIE _{LCh}	60, 50.557, 107.027
Yxy	28.0988, 0.3938, 0.4760
Android (android.graphics.Color)	4287731254 (0xFF919636)
YUV	137.5610, -41.1956, 6.5240
Hunter-Lab	53.0083, -14.4845, 28.5092

Details

The Yxy color **28.0988, 0.3938, 0.4760** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.7691, 0.1965, 0.1314**, and the grayscale version is **25.3905, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.6232, 0.3809, 0.4472**, and **11.1990, 0.4077, 0.5145** is the 20% darker color. If you saturate the color by 10%, you get **27.9092, 0.4014, 0.4912**, and if you desaturate by 10%, it is **28.3350, 0.3840, 0.4572**.

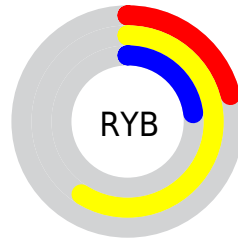
Distribution



Red (57%)

Green (59%)

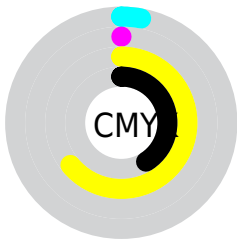
Blue (21%)



Red (21%)

Yellow (59%)

Blue (23%)

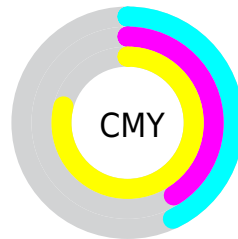


Cyan (3%)

Magenta (0%)

Yellow (64%)

Black (41%)



Cyan (43%)


Magenta (41%)


Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.0988, 0.3938, 0.4760 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 28.0988, 0.3938, 0.4760 by changing the saturation by 10% instead.

 28.0988, 0.3938,
0.4760


 28.0988, 0.3938,
0.4760


292.9387, 0.3546,
0.3972


 18.4002, 0.4015,
0.4959


 56.6421, 0.3807,
0.4468


 11.2377, 0.4091,
0.5204


 76.2556, 0.3753,
0.4359

 6.2269, 0.4205,
0.5585

 99.9428, 0.3707,
0.4268

 2.9835, 0.4129,
0.5871

 128.0882, 0.3666,
0.4190

 1.1232, 0.3800,
0.6200

 161.0760, 0.3630,
0.4124

 0.0000, 0.0000,
0.0000

 199.2908, 0.3599,

0.4066

243.1169, 0.3571,
0.4016

■ 28.0988, 0.3938,
0.4760

■ 28.0988, 0.3938,
0.4760

■ 27.9092, 0.4014,
0.4912

■ 28.3350, 0.3840,
0.4572

■ 27.7581, 0.4066,
0.5023

■ 28.6175, 0.3723,
0.4356

■ 27.6417, 0.4093,
0.5092

■ 28.9508, 0.3594,
0.4120

■ 27.5803, 0.4104,
0.5124

■ 29.3379, 0.3458,
0.3875

■ 29.7815, 0.3319,
0.3627

■ 30.2843, 0.3181,
0.3385

■ 30.8484, 0.3048,
0.3152

■ 31.4763, 0.2923,
0.2934

■ 32.1700, 0.2805,
0.2730

Harmonies

Analogous

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



28.0988, 0.4543, 0.4316



28.0988, 0.3938, 0.4760



28.0988, 0.3160, 0.4764

Triad

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



28.0988, 0.3938, 0.4760



28.0988, 0.1712, 0.2514



28.0988, 0.3765, 0.2601

Complementary

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



28.0988, 0.3938, 0.4760



5.7691, 0.1965, 0.1314

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.



28.0988, 0.2909, 0.2220



28.0988, 0.3938, 0.4760



28.0988, 0.1822, 0.2131

Square

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



28.0988, 0.3938, 0.4760



28.0988, 0.1905, 0.3236



28.0988, 0.2224, 0.2050



28.0988, 0.4494, 0.3129

Rectangle

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



28.0988, 0.3938, 0.4760



28.0988, 0.2647, 0.4411



28.0988, 0.2224, 0.2050



28.0988, 0.3475, 0.2454

Sweetspot

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



28.1001, 0.3938, 0.4760



52.1179, 0.3393, 0.3760



9.8569, 0.5056, 0.3368



11.5060, 0.3429, 0.3824



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



28.1001, 0.3938, 0.4760



49.1180, 0.4041, 0.4967



24.6342, 0.3405, 0.5076



6.7294, 0.3252, 0.3509



22.8756, 0.4104, 0.5123



0.2838, 0.4152, 0.5085

Inverse Universe

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



5.7691, 0.1965, 0.1314



6.4709, 0.1723, 0.0923



7.9523, 0.2546, 0.1574



5.6466, 0.2997, 0.3062



1.8728, 0.1523, 0.0613



0.0258, 0.1634, 0.0674

Previews

White Background



This preview shows how the Yxy color 28.0988, 0.3938, 0.4760 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 28.0988, 0.3938, 0.4760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

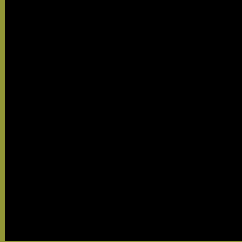
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.0988, 0.3938, 0.4760

Background



This preview shows how black text looks on a background with the Yxy color 28.0988, 0.3938, 0.4760.



This preview shows how white text looks on a background with the Yxy color 28.0988, 0.3938, 0.4760.

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

28.0988, 0.3938, 0.4760

Protanopia

28.0849, 0.4175, 0.4604

Deuteranopia

27.9001, 0.4436, 0.4338



Tritanopia

27.8606, 0.3167, 0.3119

Trichromacy



Original Color

28.0988, 0.3938, 0.4760

Protanomaly

28.0930, 0.4087, 0.4668

Deuteranomaly

27.8569, 0.4245, 0.4488

Tritanomaly

27.7868, 0.3489, 0.3745

Monochromacy



Original Color

28.0988, 0.3938, 0.4760

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.0703, 0.3474, 0.3886

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0988, 0.3938, 0.4760 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(145, 150, 54)` looks like.

```
.text, #text, p{  
    color:rgb(145, 150, 54)  
}
```

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(145, 150, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 150, 54) }
```

Border

The CSS property to change the border of an element to Yxy 28.0988, 0.3938, 0.4760 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(145, 150, 54) }
```

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

```
.border{ border-color:rgb(145, 150, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 150, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 150, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 150, 54);  
box-shadow:4px 4px 4px 4px rgb(145, 150,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0988, 0.3938, 0.4760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 150, 54) }
```

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

```
.background{ background-color: rgb(145,  
150, 54) }
```

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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