

Converting Colors

$Y_{xy}(29.5309, 0.3898, 0.4664)$

Have a look what the booklet for
Yxy(29.5309, 0.3898, 0.4664)
contains.

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Color

Yxy(29.5309, 0.3898, 0.4664)

Conversions

Conversions Part 1

Format	Color
Hex	95993F
RGB	149, 153, 63
RGB Percent	58%, 60%, 25%
CMY	0.4158, 0.4000, 0.7528
CMYK	0.03, 0.00, 0.59, 0.40
HSL	63°, 42%, 42%
HSV	63°, 59%, 60%
XYZ	24.6808, 29.5309, 9.1049
YIQ	141.5440, 26.5060, -28.8380

Conversions

Conversions Part 2

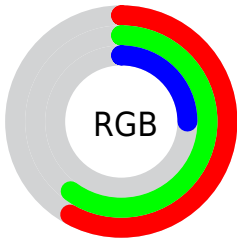
Format	Color
RYB	63, 153, 67
Decimal	9804095
CIELab	61.25, -13.97, 45.73
CIELCh	61, 47.814, 106.992
Yxy	29.5309, 0.3898, 0.4664
Android (android.graphics.Color)	4287994175 (0xFF95993F)
YUV	141.5440, -38.7222, 6.5389
Hunter-Lab	54.3423, -14.0292, 28.1057

Details

The Yxy color **29.5309, 0.3898, 0.4664** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.0529, 0.2057, 0.1473**, and the grayscale version is **27.0091, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.8197, 0.3772, 0.4391**, and **12.0049, 0.4068, 0.5080** is the 20% darker color. If you saturate the color by 10%, you get **29.3200, 0.3987, 0.4834**, and if you desaturate by 10%, it is **29.7924, 0.3788, 0.4462**.

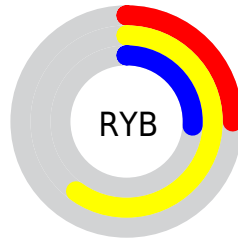
Distribution



Red (58%)

Green (60%)

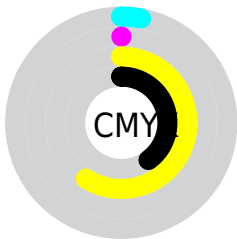
Blue (25%)



Red (25%)

Yellow (60%)

Blue (26%)

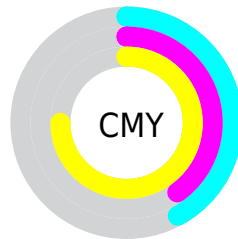


Cyan (3%)

Magenta (0%)

Yellow (59%)

Black (40%)



Cyan (42%)


Magenta (40%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.5309, 0.3898, 0.4664 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 29.5309, 0.3898, 0.4664 by changing the saturation by 10% instead.


 29.5309, 0.3898,
0.4664

 29.5309, 0.3898,
0.4664


299.7117, 0.3522,
0.3929

 19.4828, 0.3976,
0.4851


 58.9195, 0.3770,
0.4391


 12.0197, 0.4058,
0.5086


 79.0288, 0.3719,
0.4290


 6.7571, 0.4146,
0.5399


 103.2607, 0.3674,
0.4205

 3.3106, 0.4197,
0.5803

 131.9995, 0.3635,
0.4133

 1.2960, 0.3939,
0.6061

 165.6296, 0.3602,
0.4071

 0.1381, 0.0000,
1.0000

204.5354, 0.3572,

 0.0000, 0.0000,

0.4017

0.0000

249.1013, 0.3545,
0.3971

■ 29.5309, 0.3898,
0.4664

■ 29.5309, 0.3898,
0.4664

■ 29.3200, 0.3987,
0.4834

■ 29.7924, 0.3788,
0.4462

■ 29.1516, 0.4053,
0.4964

■ 30.1041, 0.3663,
0.4235

■ 29.0224, 0.4094,
0.5053

■ 30.4706, 0.3528,
0.3994

■ 28.9225, 0.4114,
0.5107

■ 30.8948, 0.3388,
0.3746

■ 28.9110, 0.4117,
0.5113

■ 31.3794, 0.3248,
0.3500

■ 31.9272, 0.3111,
0.3262

■ 32.5405, 0.2981,
0.3036

■ 33.2215, 0.2858,
0.2825

■ 33.9726, 0.2744,
0.2629

Harmonies

Analogous

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



29.5309, 0.4459, 0.4264



29.5309, 0.3898, 0.4664



29.5309, 0.3169, 0.4651

Triad

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



29.5309, 0.3898, 0.4664



29.5309, 0.1794, 0.2571



29.5309, 0.3722, 0.2644

Complementary

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



29.5309, 0.3898, 0.4664



7.0529, 0.2057, 0.1473

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.



29.5309, 0.2926, 0.2282



29.5309, 0.3898, 0.4664



29.5309, 0.1897, 0.2203

Square

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



29.5309, 0.3898, 0.4664



29.5309, 0.1982, 0.3248



29.5309, 0.2281, 0.2121



29.5309, 0.4398, 0.3146

Rectangle

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



29.5309, 0.3898, 0.4664



29.5309, 0.2686, 0.4323



29.5309, 0.2281, 0.2121



29.5309, 0.3454, 0.2504

Sweetspot

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



29.5323, 0.3898, 0.4664



55.3592, 0.3382, 0.3735



11.0314, 0.4843, 0.3342



12.1760, 0.3420, 0.3802



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.



29.5323, 0.3898, 0.4664



52.3854, 0.4014, 0.4885



26.1487, 0.3414, 0.4928



7.2088, 0.3254, 0.3510



23.8954, 0.4117, 0.5113



0.3610, 0.4153, 0.5084

Inverse Universe

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



7.0529, 0.2057, 0.1473



8.2030, 0.1808, 0.1066



9.2384, 0.2584, 0.1695



6.0389, 0.2995, 0.3061



1.9413, 0.1519, 0.0610



0.0321, 0.1613, 0.0662

Previews

White Background



This preview shows how the Yxy color 29.5309, 0.3898, 0.4664 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 29.5309, 0.3898, 0.4664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

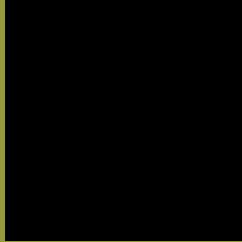
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.5309, 0.3898, 0.4664

Background



This preview shows how black text looks on a background with the Yxy color 29.5309, 0.3898, 0.4664.



This preview shows how white text looks on a background with the Yxy color 29.5309, 0.3898, 0.4664.

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

29.5309, 0.3898, 0.4664

Protanopia

29.4201, 0.4117, 0.4525

Deuteranopia

29.5223, 0.4357, 0.4278



Tritanopia

29.5822, 0.3166, 0.3123

Trichromacy



Original Color

29.5309, 0.3898, 0.4664

Protanomaly

29.5314, 0.4043, 0.4579

Deuteranomaly

29.3021, 0.4193, 0.4403

Tritanomaly

29.2411, 0.3463, 0.3687

Monochromacy



Original Color

29.5309, 0.3898, 0.4664

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.7698, 0.3445, 0.3837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5309, 0.3898, 0.4664 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(149, 153, 63)` looks like.

```
.text, #text, p{  
    color:rgb(149, 153, 63)  
}
```

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(149, 153, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 153, 63) }
```

Border

The CSS property to change the border of an element to Yxy 29.5309, 0.3898, 0.4664 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(149, 153, 63) }
```

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

```
.border{ border-color:rgb(149, 153, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 153, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 153, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 153, 63);  
box-shadow:4px 4px 4px 4px rgb(149, 153,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5309, 0.3898, 0.4664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 153, 63) }
```

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

```
.background{ background-color: rgb(149,  
153, 63) }
```

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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