

Converting Colors

$Yxy(29.0067, 0.3815, 0.4946)$

Have a look what the booklet for
Yxy(29.0067, 0.3815, 0.4946)
contains.

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Color

Yxy(29.1412, 0.3812, 0.4956)

Conversions

Conversions Part 1

Format	Color
Hex	879C30
RGB	135, 156, 48
RGB Percent	53%, 61%, 19%
CMY	0.4706, 0.3882, 0.8116
CMYK	0.13, 0.00, 0.69, 0.39
HSL	72°, 53%, 40%
HSV	72°, 69%, 61%
XYZ	22.4145, 29.1412, 7.2441
YIQ	137.4090, 22.1520, -38.0400

Conversions

Conversions Part 2

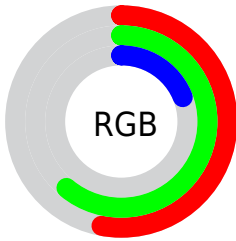
Format	Color
R_{YB}	48, 156, 69
Decimal	8887344
CIE Lab	60.91, -22.58, 51.56
CIE LCh	61, 56.284, 113.653
Yxy	29.1412, 0.3812, 0.4956
Android (android.graphics.Color)	4287077424 (0xFF879C30)
YUV	137.4090, -44.0786, -2.1127
Hunter-Lab	53.9826, -20.3533, 29.8315

Details

The Yxy color **29.1412, 0.3812, 0.4956** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.7848, 0.2009, 0.1221**, and the grayscale version is **25.3457, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.1091, 0.3719, 0.4610**, and **11.8970, 0.3830, 0.5341** is the 20% darker color. If you saturate the color by 10%, you get **28.7873, 0.3851, 0.5116**, and if you desaturate by 10%, it is **29.5502, 0.3750, 0.4757**.

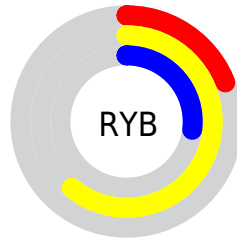
Distribution



Red (53%)

Green (61%)

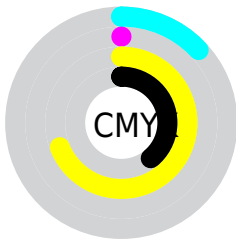
Blue (19%)



Red (19%)

Yellow (61%)

Blue (27%)

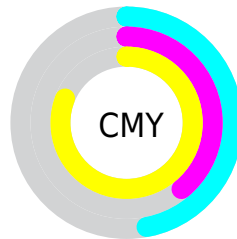


Cyan (13%)

Magenta (0%)

Yellow (69%)

Black (39%)



Cyan (47%)


Magenta (39%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1412, 0.3812, 0.4956 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 29.1412, 0.3812, 0.4956 by changing the saturation by 10% instead.


 29.1412, 0.3812,
0.4956


 29.1412, 0.3812,
0.4956


297.8806, 0.3503,
0.4055


 19.1877, 0.3859,
0.5186


 58.3014, 0.3717,
0.4620


 11.8060, 0.3892,
0.5471


 78.2768, 0.3675,
0.4496


 6.6117, 0.3955,
0.5936


 102.3616, 0.3638,
0.4391

 3.2205, 0.3752,
0.6248

 130.9402, 0.3604,
0.4303

 1.2479, 0.3234,
0.6766

 164.3970, 0.3574,
0.4228

 0.1003, 0.0000,
1.0000

 203.1164, 0.3548,

 0.0000, 0.0000,

0.4162

0.0000

247.4828, 0.3524,
0.4105

■ 29.1412, 0.3812,
0.4956

■ 29.1412, 0.3812,
0.4956

■ 28.7873, 0.3851,
0.5116

■ 29.5502, 0.3750,
0.4757

■ 28.4795, 0.3864,
0.5233

■ 30.0148, 0.3667,
0.4529

■ 28.2083, 0.3858,
0.5313

■ 30.5399, 0.3569,
0.4280

■ 28.1872, 0.3858,
0.5319

■ 31.1293, 0.3461,
0.4022

■ 31.7859, 0.3347,
0.3764

■ 32.5128, 0.3232,
0.3512

■ 33.3128, 0.3118,
0.3271

■ 34.1884, 0.3009,
0.3046

■ 35.1421, 0.2905,
0.2838

Harmonies

Analogous

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



29.1412, 0.4536, 0.4514



29.1412, 0.3812, 0.4956



29.1412, 0.2957, 0.4836

Triad

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



29.1412, 0.3812, 0.4956



29.1412, 0.1600, 0.2314



29.1412, 0.4028, 0.2655

Complementary

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



29.1412, 0.3812, 0.4956



5.7848, 0.2009, 0.1221

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.



29.1412, 0.3081, 0.2207



29.1412, 0.3812, 0.4956



29.1412, 0.1786, 0.1989

Square

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



29.1412, 0.3812, 0.4956



29.1412, 0.1725, 0.3014



29.1412, 0.2282, 0.1970



29.1412, 0.4748, 0.3238

Rectangle

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



29.1412, 0.3812, 0.4956



29.1412, 0.2423, 0.4346



29.1412, 0.2282, 0.1970



29.1412, 0.3716, 0.2486

Sweetspot

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



29.1425, 0.3812, 0.4956



57.4557, 0.3373, 0.3821



11.3964, 0.5120, 0.3579



12.5751, 0.3402, 0.3886



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



29.1425, 0.3812, 0.4956



51.9701, 0.3861, 0.5185



25.7957, 0.3272, 0.5301



7.6552, 0.3232, 0.3513



23.2312, 0.3860, 0.5317



0.4307, 0.4003, 0.5204

Inverse Universe

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



5.7848, 0.2009, 0.1221



6.7582, 0.1768, 0.0863



8.6420, 0.2688, 0.1542



6.4943, 0.3016, 0.3061



2.2209, 0.1608, 0.0659



0.0546, 0.1941, 0.0843

Previews

White Background



This preview shows how the Yxy color 29.1412, 0.3812, 0.4956 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 29.1412, 0.3812, 0.4956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

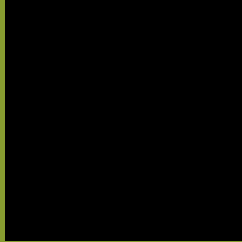
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1412, 0.3812, 0.4956

Background



This preview shows how black text looks on a background with the Yxy color 29.1412, 0.3812, 0.4956.



This preview shows how white text looks on a background with the Yxy color 29.1412, 0.3812, 0.4956.

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

29.1412, 0.3812, 0.4956

Protanopia

28.9572, 0.4233, 0.4672

Deuteranopia

28.7989, 0.4477, 0.4382



Tritanopia

29.1031, 0.3023, 0.3118

Trichromacy



Original Color

29.1412, 0.3812, 0.4956

Protanomaly

28.7902, 0.4072, 0.4775

Deuteranomaly

28.6057, 0.4239, 0.4580

Tritanomaly

28.8478, 0.3361, 0.3837

Monochromacy



Original Color

29.1412, 0.3812, 0.4956

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.2007, 0.3430, 0.3964

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1412, 0.3812, 0.4956 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(135, 156, 48)` looks like.

```
.text, #text, p{  
    color:rgb(135, 156, 48)  
}
```

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(135, 156, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 156, 48) }
```

Border

The CSS property to change the border of an element to Yxy 29.1412, 0.3812, 0.4956 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(135, 156, 48) }
```

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

```
.border{ border-color:rgb(135, 156, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 156, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 156, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 156, 48);  
box-shadow:4px 4px 4px 4px rgb(135, 156,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1412, 0.3812, 0.4956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 156, 48) }
```

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

```
.background{ background-color: rgb(135,  
156, 48) }
```

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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