

Converting Colors

$Y_{xy}(27.4041, 0.4333, 0.4859)$

Have a look what the booklet for
Yxy(27.4041, 0.4333, 0.4859)
contains.

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Color

Yxy(27.3611, 0.4330, 0.4859)

Conversions

Conversions Part 1

Format	Color
Hex	9F9012
RGB	159, 144, 18
RGB Percent	62%, 56%, 7%
CMY	0.3764, 0.4353, 0.9295
CMYK	0.00, 0.09, 0.89, 0.38
HSL	54°, 80%, 35%
HSV	54°, 89%, 62%
XYZ	24.3823, 27.3611, 4.5668
YIQ	134.1210, 49.3860, -36.0060

Conversions

Conversions Part 2

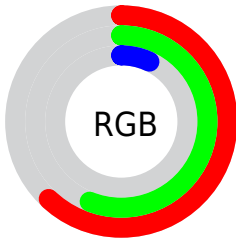
Format	Color
RYB	35, 159, 18
Decimal	10457106
CIELab	59.31, -6.90, 60.35
CIELCh	59, 60.745, 96.523
Yxy	27.3611, 0.4330, 0.4859
Android (android.graphics.Color)	4288647186 (0xFF9F9012)
YUV	134.1210, -57.2477, 21.8189
Hunter-Lab	52.3078, -8.3344, 31.4392

Details

The Yxy color **27.3611, 0.4330, 0.4859** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.7187, 0.1605, 0.0847**, and the grayscale version is **24.0881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.2343, 0.4148, 0.4587**, and **10.8890, 0.4346, 0.4931** is the 20% darker color. If you saturate the color by 10%, you get **26.8145, 0.4384, 0.4892**, and if you desaturate by 10%, it is **27.9502, 0.4253, 0.4789**.

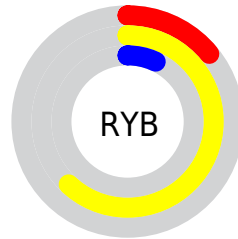
Distribution



Red (62%)

Green (56%)

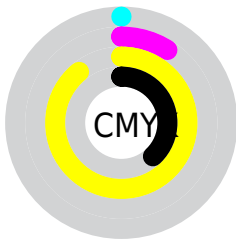
Blue (7%)



Red (14%)

Yellow (62%)

Blue (7%)

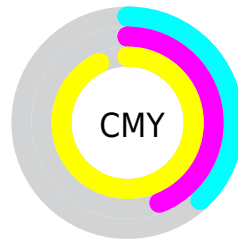


Cyan (0%)

Magenta (9%)

Yellow (89%)

Black (38%)



Cyan (38%)


Magenta (44%)


Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.3611, 0.4330, 0.4859 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 27.3611, 0.4330, 0.4859 by changing the saturation by 10% instead.


 27.3611, 0.4330,
0.4859


 27.3611, 0.4330,
0.4859


289.4013, 0.3758,
0.4071


 17.8446, 0.4431,
0.5022


 55.4628, 0.4145,
0.4589


 10.8385, 0.4537,
0.5213


 74.8167, 0.4068,
0.4481


 5.9583, 0.4604,
0.5396

 98.2187, 0.3999,
0.4387

 2.8198, 0.4526,
0.5474

 126.0529, 0.3938,
0.4307

 1.0384, 0.4385,
0.5615

 158.7039, 0.3885,
0.4236

 0.0000, 0.0000,
0.0000

 196.5560, 0.3838,

0.4174

239.9937, 0.3796,
0.4120

27.3611, 0.4330,
0.4859

27.3611, 0.4330,
0.4859

26.8145, 0.4384,
0.4892

27.9502, 0.4253,
0.4789

26.7443, 0.4391,
0.4896

28.5881, 0.4150,
0.4677

29.2813, 0.4024,
0.4526

30.0344, 0.3881,
0.4343

30.8513, 0.3727,
0.4138

■ 31.7357, 0.3568,
0.3920

■ 32.6907, 0.3409,
0.3697

■ 33.7195, 0.3255,
0.3476

■ 34.8250, 0.3109,
0.3263

Harmonies

Analogous

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



27.3611, 0.4951, 0.4198



27.3611, 0.4330, 0.4859



27.3611, 0.3453, 0.5177

Triad

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



27.3611, 0.4330, 0.4859



27.3611, 0.1511, 0.2592



27.3611, 0.3517, 0.2301

Complementary

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



27.3611, 0.4330, 0.4859



3.7187, 0.1605, 0.0847

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.



27.3611, 0.2538, 0.1945



27.3611, 0.4330, 0.4859



27.3611, 0.1528, 0.2028

Square

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



27.3611, 0.4330, 0.4859



27.3611, 0.1841, 0.3591



27.3611, 0.1863, 0.1840



27.3611, 0.4517, 0.2849

Rectangle

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



27.3611, 0.4330, 0.4859



27.3611, 0.2834, 0.4960



27.3611, 0.1863, 0.1840



27.3611, 0.3167, 0.2157

Sweetspot

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



27.3624, 0.4330, 0.4859



57.0214, 0.3549, 0.3894



7.9219, 0.5918, 0.3165



12.7374, 0.3600, 0.3964



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.



27.3624, 0.4330, 0.4859



47.7165, 0.4395, 0.4892



27.8444, 0.3583, 0.5443



7.5997, 0.3263, 0.3488



21.1560, 0.4389, 0.4897



0.4094, 0.4301, 0.4967

Inverse Universe

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



3.7187, 0.1605, 0.0847



5.0563, 0.1519, 0.0668



4.3144, 0.1963, 0.0925



6.5433, 0.2988, 0.3084



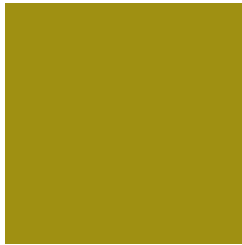
2.3244, 0.1526, 0.0693



0.0707, 0.1637, 0.1091

Previews

White Background



This preview shows how the Yxy color 27.3611, 0.4330, 0.4859 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 27.3611, 0.4330, 0.4859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

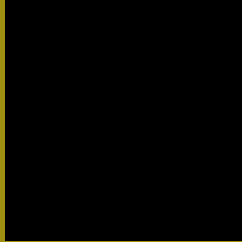
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.3611, 0.4330, 0.4859

Background



This preview shows how black text looks on a background with the Yxy color 27.3611, 0.4330, 0.4859.



This preview shows how white text looks on a background with the Yxy color 27.3611, 0.4330, 0.4859.

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

27.3611, 0.4330, 0.4859

Protanopia

27.2657, 0.4364, 0.4832

Deuteranopia

27.3818, 0.4640, 0.4569



Tritanopia

27.2793, 0.3395, 0.3140

Trichromacy



Original Color

27.3611, 0.4330, 0.4859

Protanomaly

27.1622, 0.4353, 0.4840

Deuteranomaly

27.2938, 0.4525, 0.4680

Tritanomaly

26.9513, 0.3861, 0.3911

Monochromacy



Original Color

27.3611, 0.4330, 0.4859

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.7893, 0.3671, 0.4073

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3611, 0.4330, 0.4859 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(159, 144, 18)` looks like.

```
.text, #text, p{  
    color:rgb(159, 144, 18)  
}
```

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(159, 144, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 144, 18) }
```

Border

The CSS property to change the border of an element to Yxy 27.3611, 0.4330, 0.4859 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(159, 144, 18) }
```

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

```
.border{ border-color:rgb(159, 144, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 144, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 144, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 144, 18);  
box-shadow:4px 4px 4px 4px rgb(159, 144,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3611, 0.4330, 0.4859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 144, 18) }
```

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

```
.background{ background-color: rgb(159,  
144, 18) }
```

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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