

Converting Colors

$Y_{xy}(29.1018, 0.3712, 0.4327)$

Have a look what the booklet for
Yxy(29.1018, 0.3712, 0.4327)
contains.

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Color

$\text{Yxy}(29.1010, 0.3716, 0.4333)$

Conversions

Conversions Part 1

Format	Color
Hex	949756
RGB	148, 151, 86
RGB Percent	58%, 59%, 34%
CMY	0.4197, 0.4078, 0.6628
CMYK	0.02, 0.00, 0.43, 0.41
HSL	63°, 27%, 46%
HSV	63°, 43%, 59%
XYZ	24.9571, 29.1010, 13.1032
YIQ	142.6930, 19.0770, -20.8510

Conversions

Conversions Part 2

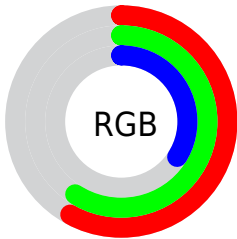
Format	Color
RYB	86, 151, 89
Decimal	9738070
CIELab	60.87, -11.16, 33.79
CIElCh	61, 35.590, 108.280
Yxy	29.1010, 0.3716, 0.4333
Android (android.graphics.Color)	4287928150 (0xFF949756)
YUV	142.6930, -27.9496, 4.6542
Hunter-Lab	53.9453, -11.8235, 23.3604

Details

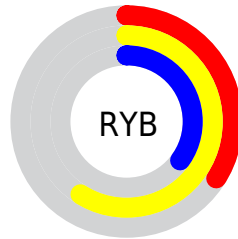
The Yxy color **29.1010, 0.3716, 0.4333** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **11.0128, 0.2380, 0.2011**, and the grayscale version is **27.4468, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.1653, 0.3606, 0.4115**, and **11.7411, 0.3883, 0.4685** is the 20% darker color. If you saturate the color by 10%, you get **28.8189, 0.3835, 0.4551**, and if you desaturate by 10%, it is **29.4376, 0.3585, 0.4097**.

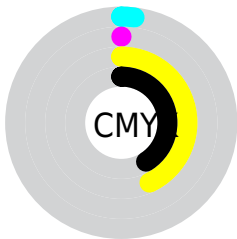
Distribution



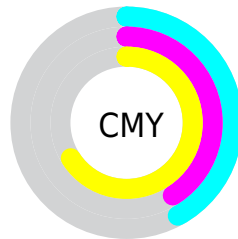
- Red (58%)
- Green (59%)
- Blue (34%)



- Red (34%)
- Yellow (59%)
- Blue (35%)



- Cyan (2%)
- Magenta (0%)
- Yellow (43%)
- Black (41%)





- Cyan (42%)
- Magenta (41%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1010, 0.3716, 0.4333 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 29.1010, 0.3716, 0.4333 by changing the saturation by 10% instead.

 29.1010, 0.3716,
0.4333


 29.1010, 0.3716,
0.4333


297.6912, 0.3415,
0.3766


 19.1572, 0.3788,
0.4487


 58.2375, 0.3608,
0.4117


 11.7840, 0.3875,
0.4688


 78.1991, 0.3566,
0.4039


 6.5967, 0.3976,
0.4961


 102.2687, 0.3531,
0.3974

 3.2112, 0.4217,
0.5520

 130.8307, 0.3502,
0.3919

 1.2430, 0.4122,
0.5878

 164.2696, 0.3476,
0.3872

 0.0964, 0.0000,
1.0000

202.9697, 0.3453,

 0.0000, 0.0000,

0.3832

0.0000

247.3154, 0.3433,
0.3797

■ 29.1010, 0.3716,
0.4333

■ 29.1010, 0.3716,
0.4333

■ 28.8189, 0.3835,
0.4551

■ 29.4376, 0.3585,
0.4097

■ 28.5841, 0.3936,
0.4740

■ 29.8276, 0.3447,
0.3851

■ 28.3941, 0.4016,
0.4894

■ 30.2752, 0.3307,
0.3604

■ 28.2449, 0.4071,
0.5008

■ 30.7829, 0.3168,
0.3362

■ 28.1316, 0.4101,
0.5080

■ 31.3532, 0.3035,
0.3131

■ 28.0646, 0.4114,
0.5116

■ 31.9883, 0.2909,
0.2913

■ 32.6904, 0.2792,
0.2711

■ 33.4615, 0.2683,
0.2525

■ 34.3036, 0.2584,
0.2356

Harmonies

Analogous

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



29.1010, 0.4139, 0.4082



29.1010, 0.3716, 0.4333



29.1010, 0.3157, 0.4268

Triad

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



29.1010, 0.3716, 0.4333



29.1010, 0.2088, 0.2744



29.1010, 0.3604, 0.2809

Complementary

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



29.1010, 0.3716, 0.4333



11.0128, 0.2380, 0.2011

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.



29.1010, 0.3009, 0.2512



29.1010, 0.3716, 0.4333



29.1010, 0.2179, 0.2449

Square

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



29.1010, 0.3716, 0.4333



29.1010, 0.2238, 0.3251



29.1010, 0.2498, 0.2380



29.1010, 0.4092, 0.3217

Rectangle

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



29.1010, 0.3716, 0.4333



29.1010, 0.2786, 0.4018



29.1010, 0.2498, 0.2380



29.1010, 0.3407, 0.2695

Sweetspot

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



29.1023, 0.3716, 0.4333



54.1956, 0.3309, 0.3609



14.2570, 0.4192, 0.3330



12.2785, 0.3338, 0.3660



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.



29.1023, 0.3716, 0.4333



51.6060, 0.3835, 0.4550



26.5432, 0.3365, 0.4468



7.2083, 0.3253, 0.3510



23.8761, 0.4114, 0.5115



0.3608, 0.4152, 0.5085

Inverse Universe

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



11.0128, 0.2380, 0.2011



14.7031, 0.2175, 0.1668



12.9294, 0.2765, 0.2134



6.0393, 0.2995, 0.3061



1.9429, 0.1520, 0.0611



0.0322, 0.1617, 0.0664

Previews

White Background



This preview shows how the Yxy color 29.1010, 0.3716, 0.4333 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 29.1010, 0.3716, 0.4333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

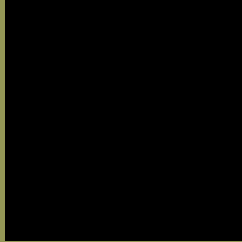
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1010, 0.3716, 0.4333

Background



This preview shows how black text looks on a background with the Yxy color 29.1010, 0.3716, 0.4333.



This preview shows how white text looks on a background with the Yxy color 29.1010, 0.3716, 0.4333.

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

29.1010, 0.3716, 0.4333

Protanopia

29.0846, 0.3908, 0.4252

Deuteranopia

28.9424, 0.4105, 0.4022



Tritanopia

29.0459, 0.3156, 0.3122

Trichromacy



Original Color

29.1010, 0.3716, 0.4333

Protanomaly

28.9036, 0.3834, 0.4273

Deuteranomaly

28.8666, 0.3960, 0.4131

Tritanomaly

28.9151, 0.3372, 0.3561

Monochromacy



Original Color

29.1010, 0.3716, 0.4333

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.9827, 0.3355, 0.3686

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1010, 0.3716, 0.4333 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(148, 151, 86)` looks like.

```
.text, #text, p{  
    color:rgb(148, 151, 86)  
}
```

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(148, 151, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 151, 86) }
```

Border

The CSS property to change the border of an element to Yxy 29.1010, 0.3716, 0.4333 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(148, 151, 86) }
```

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

```
.border{ border-color:rgb(148, 151, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 151, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 151, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 151, 86);  
box-shadow:4px 4px 4px 4px rgb(148, 151,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1010, 0.3716, 0.4333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 151, 86) }
```

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

```
.background{ background-color: rgb(148,  
151, 86) }
```

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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