

Converting Colors

$Y_{xy}(37.4389, 0.4118, 0.5045)$

Have a look what the booklet for
Yxy(37.4389, 0.4118, 0.5045)
contains.

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Color

Yxy(37.2798, 0.4115, 0.5045)

Conversions

Conversions Part 1

Format	Color
Hex	A6AB13
RGB	166, 171, 19
RGB Percent	65%, 67%, 7%
CMY	0.3490, 0.3294, 0.9256
CMYK	0.03, 0.00, 0.89, 0.33
HSL	62°, 80%, 37%
HSV	62°, 89%, 67%
XYZ	30.4076, 37.2798, 6.2071
YIQ	152.1770, 45.8120, -48.3320

Conversions

Conversions Part 2

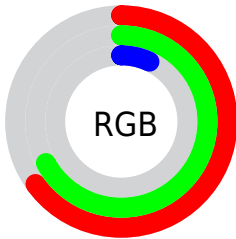
Format	Color
RYB	19, 171, 24
Decimal	10922771
CIELab	67.49, -17.89, 66.97
CIELCh	67, 69.317, 104.955
Yxy	37.2798, 0.4115, 0.5045
Android (android.graphics.Color)	4289112851 (0xFFA6AB13)
YUV	152.1770, -65.6563, 12.1228
Hunter-Lab	61.0572, -17.9538, 36.7125

Details

The Yxy color **37.2798, 0.4115, 0.5045** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.5986, 0.1580, 0.0715**, and the grayscale version is **31.7542, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.8801, 0.3986, 0.4746**, and **16.5086, 0.4066, 0.5153** is the 20% darker color. If you saturate the color by 10%, you get **37.1782, 0.4135, 0.5093**, and if you desaturate by 10%, it is **37.4232, 0.4074, 0.4961**.

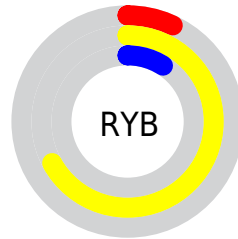
Distribution



Red (65%)

Green (67%)

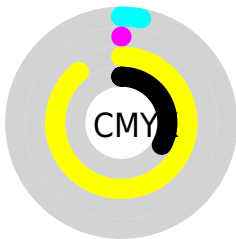
Blue (7%)



Red (7%)

Yellow (67%)

Blue (9%)

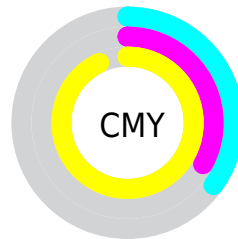


Cyan (3%)

Magenta (0%)

Yellow (89%)

Black (33%)



Cyan (35%)


Magenta (33%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2798, 0.4115, 0.5045 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 37.2798, 0.4115, 0.5045 by changing the saturation by 10% instead.

 37.2798, 0.4115,
0.5045


 37.2798, 0.4115,
0.5045


334.5203, 0.3694,
0.4179

 25.4242, 0.4175,
0.5229


 71.0029, 0.3992,
0.4748


 16.3934, 0.4218,
0.5436


 93.6392, 0.3935,
0.4630


 9.8029, 0.4272,
0.5728


 120.6379, 0.3884,
0.4528

 5.2685, 0.4130,
0.5870

 152.3833, 0.3838,
0.4439

 2.4056, 0.3899,
0.6101

 189.2598, 0.3796,
0.4362

 0.8288, 0.2976,
0.7024

 231.6519, 0.3759,

 0.0000, 0.0000,

0.4293

0.0000

279.9440, 0.3725,
0.4233

■ 37.2798, 0.4115,
0.5045

■ 37.2798, 0.4115,
0.5045

■ 37.1782, 0.4135,
0.5093

■ 37.4232, 0.4074,
0.4961

■ 37.1675, 0.4137,
0.5098

■ 37.6151, 0.4007,
0.4835

■ 37.8635, 0.3916,
0.4669

■ 38.1737, 0.3805,
0.4469

■ 38.5504, 0.3677,
0.4243

■ 38.9980, 0.3539,
0.4001

■ 39.5204, 0.3396,
0.3752

■ 40.1211, 0.3252,
0.3505

■ 40.8036, 0.3112,
0.3264

Harmonies

Analogous

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



37.2798, 0.4854, 0.4411



37.2798, 0.4115, 0.5045



37.2798, 0.3184, 0.5196

Triad

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



37.2798, 0.4115, 0.5045



37.2798, 0.1446, 0.2362



37.2798, 0.3834, 0.2418

Complementary

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



37.2798, 0.4115, 0.5045



3.5986, 0.1580, 0.0715

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.



37.2798, 0.2777, 0.1993



37.2798, 0.4115, 0.5045



37.2798, 0.1556, 0.1909

Square

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



37.2798, 0.4115, 0.5045



37.2798, 0.1675, 0.3268



37.2798, 0.1990, 0.1810



37.2798, 0.4781, 0.3015

Rectangle

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



37.2798, 0.4115, 0.5045



37.2798, 0.2565, 0.4798



37.2798, 0.1990, 0.1810



37.2798, 0.3469, 0.2252

Sweetspot

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



37.2815, 0.4115, 0.5045



69.9672, 0.3518, 0.3966



9.2599, 0.6151, 0.3314



15.5393, 0.3565, 0.4047



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



37.2815, 0.4115, 0.5045



66.5442, 0.4136, 0.5098



31.4720, 0.3400, 0.5591



9.3166, 0.3258, 0.3514



28.0227, 0.4137, 0.5097



0.7836, 0.4155, 0.5083

Inverse Universe

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



3.5986, 0.1580, 0.0715



5.3129, 0.1508, 0.0604



5.9748, 0.2183, 0.1038



7.7693, 0.2990, 0.3056



2.2484, 0.1513, 0.0607



0.0665, 0.1569, 0.0638

Previews

White Background



This preview shows how the Yxy color 37.2798, 0.4115, 0.5045 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 37.2798, 0.4115, 0.5045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

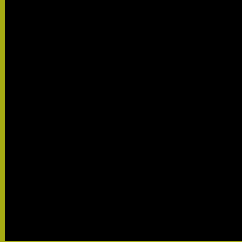
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.2798, 0.4115, 0.5045

Background



This preview shows how black text looks on a background with the Yxy color 37.2798, 0.4115, 0.5045.



This preview shows how white text looks on a background with the Yxy color 37.2798, 0.4115, 0.5045.

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

37.2798, 0.4115, 0.5045

Protanopia

37.2650, 0.4371, 0.4853

Deuteranopia

37.1466, 0.4644, 0.4554



Tritanopia

37.2015, 0.3202, 0.3126

Trichromacy



Original Color

37.2798, 0.4115, 0.5045

Protanomaly

37.1461, 0.4278, 0.4922

Deuteranomaly

36.7753, 0.4460, 0.4729

Tritanomaly

36.4540, 0.3666, 0.3965

Monochromacy



Original Color

37.2798, 0.4115, 0.5045

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.9638, 0.3613, 0.4136

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2798, 0.4115, 0.5045 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(166, 171, 19)` looks like.

```
.text, #text, p{  
    color:rgb(166, 171, 19)  
}
```

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(166, 171, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 171, 19) }
```

Border

The CSS property to change the border of an element to Yxy 37.2798, 0.4115, 0.5045 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(166, 171, 19) }
```

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

```
.border{ border-color:rgb(166, 171, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 171, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 171, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 171, 19);  
box-shadow:4px 4px 4px 4px rgb(166, 171,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2798, 0.4115, 0.5045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 171, 19) }
```

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

```
.background{ background-color: rgb(166,  
171, 19) }
```

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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