

Converting Colors

$Y_{xy}(34.9695, 0.4180, 0.5030)$

Have a look what the booklet for
Yxy(34.9695, 0.4180, 0.5030)
contains.

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Color

Yxy(34.9315, 0.4179, 0.5029)

Conversions

Conversions Part 1

Format	Color
Hex	A5A50A
RGB	165, 165, 10
RGB Percent	65%, 65%, 4%
CMY	0.3529, 0.3529, 0.9605
CMYK	0.00, 0.00, 0.94, 0.35
HSL	60°, 88%, 34%
HSV	60°, 94%, 65%
XYZ	29.0274, 34.9315, 5.5012
YIQ	147.3300, 49.7550, -48.2050

Conversions

Conversions Part 2

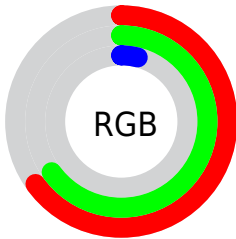
Format	Color
RYB	10, 165, 10
Decimal	10855690
CIELab	65.70, -15.42, 66.92
CIELCh	66, 68.671, 102.978
Yxy	34.9315, 0.4179, 0.5029
Android (android.graphics.Color)	4289045770 (0xFFA5A50A)
YUV	147.3300, -67.7037, 15.4966
Hunter-Lab	59.1029, -15.7627, 35.8534

Details

The Yxy color **34.9315, 0.4179, 0.5029** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.0003, 0.1533, 0.0655**, and the grayscale version is **29.5963, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.5982, 0.4045, 0.4736**, and **15.2858, 0.4120, 0.5110** is the 20% darker color. If you saturate the color by 10%, you get **34.9110, 0.4193, 0.5053**, and if you desaturate by 10%, it is **34.9883, 0.4144, 0.4971**.

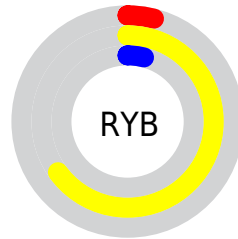
Distribution



Red (65%)

Green (65%)

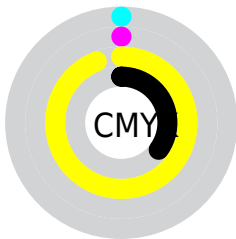
Blue (4%)



Red (4%)

Yellow (65%)

Blue (4%)

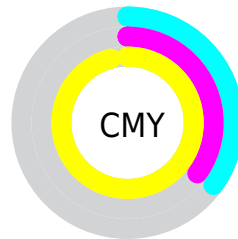


Cyan (0%)

Magenta (0%)

Yellow (94%)

Black (35%)



Cyan (35%)


Magenta (35%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.9315, 0.4179, 0.5029 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 34.9315, 0.4179, 0.5029 by changing the saturation by 10% instead.


 34.9315, 0.4179,
0.5029


 34.9315, 0.4179,
0.5029


324.2659, 0.3722,
0.4172


 23.6101, 0.4245,
0.5208


 67.3796, 0.4044,
0.4737


 15.0447, 0.4295,
0.5406


 89.2752, 0.3982,
0.4620


 8.8507, 0.4339,
0.5661


 115.4642, 0.3927,
0.4519

 4.6439, 0.4207,
0.5793

 146.3312, 0.3877,
0.4430

 2.0399, 0.3989,
0.6011

 182.2604, 0.3832,
0.4353

 0.6305, 0.2611,
0.7389

 223.6364, 0.3792,

 0.0000, 0.0000,

0.4285

0.0000

270.8434, 0.3755,
0.4225

34.9315, 0.4179,
0.5029

34.9315, 0.4179,
0.5029

34.9110, 0.4193,
0.5053

34.9883, 0.4144,
0.4971

35.0861, 0.4084,
0.4872

35.2329, 0.3999,
0.4732

35.4340, 0.3892,
0.4554

35.6940, 0.3766,
0.4345

■ 36.0170, 0.3626,
0.4115

■ 36.4066, 0.3479,
0.3872

■ 36.8665, 0.3330,
0.3626

■ 37.3998, 0.3183,
0.3383

Harmonies

Analogous

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



34.9315, 0.4906, 0.4370



34.9315, 0.4179, 0.5029



34.9315, 0.3245, 0.5237

Triad

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



34.9315, 0.4179, 0.5029



34.9315, 0.1435, 0.2396



34.9315, 0.3769, 0.2374

Complementary

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



34.9315, 0.4179, 0.5029



3.0003, 0.1533, 0.0655

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.



34.9315, 0.2710, 0.1960



34.9315, 0.4179, 0.5029



34.9315, 0.1524, 0.1913

Square

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



34.9315, 0.4179, 0.5029



34.9315, 0.1688, 0.3342



34.9315, 0.1939, 0.1794



34.9315, 0.4752, 0.2967

Rectangle

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



34.9315, 0.4179, 0.5029



34.9315, 0.2616, 0.4878



34.9315, 0.1939, 0.1794



34.9315, 0.3399, 0.2212

Sweetspot

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



34.9331, 0.4179, 0.5029



64.8611, 0.3548, 0.3985



8.2404, 0.6279, 0.3299



14.1191, 0.3608, 0.4085



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



34.9331, 0.4179, 0.5029



62.5200, 0.4193, 0.5053



28.9859, 0.3400, 0.5635



8.2373, 0.3262, 0.3512



26.4092, 0.4193, 0.5053



0.5549, 0.4193, 0.5053

Inverse Universe

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



3.0003, 0.1533, 0.0655



4.8653, 0.1500, 0.0600



4.9875, 0.2098, 0.0962



6.8600, 0.2987, 0.3058



2.0552, 0.1500, 0.0600



0.0432, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 34.9315, 0.4179, 0.5029 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 34.9315, 0.4179, 0.5029 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 34.9315, 0.4179, 0.5029

Background



This preview shows how black text looks on a background with the Yxy color 34.9315, 0.4179, 0.5029.



This preview shows how white text looks on a background with the Yxy color 34.9315, 0.4179, 0.5029.

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

34.9315, 0.4179, 0.5029

Protanopia

34.8581, 0.4394, 0.4873

Deuteranopia

34.6253, 0.4665, 0.4570



Tritanopia

34.7292, 0.3245, 0.3123

Trichromacy



Original Color

34.9315, 0.4179, 0.5029

Protanomaly

34.9700, 0.4319, 0.4929

Deuteranomaly

34.5188, 0.4495, 0.4737

Tritanomaly

33.9887, 0.3737, 0.3991

Monochromacy



Original Color

34.9315, 0.4179, 0.5029

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.8443, 0.3668, 0.4184

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9315, 0.4179, 0.5029 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(165, 165, 10)` looks like.

```
.text, #text, p{  
    color:rgb(165, 165, 10)  
}
```

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(165, 165, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 165, 10) }
```

Border

The CSS property to change the border of an element to Yxy 34.9315, 0.4179, 0.5029 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(165, 165, 10) }
```

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

```
.border{ border-color:rgb(165, 165, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 165, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 165, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 165, 10);  
box-shadow:4px 4px 4px 4px rgb(165, 165,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 34.9315, 0.4179, 0.5029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 165, 10) }
```

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

```
.background{ background-color: rgb(165,  
165, 10) }
```

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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