

Converting Colors

$Y_{xy}(36.1236, 0.4237, 0.5018)$

Have a look what the booklet for
Yxy(36.1236, 0.4237, 0.5018)
contains.

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Color

Yxy(36.2954, 0.4234, 0.5020)

Conversions

Conversions Part 1

Format	Color
Hex	ABA700
RGB	171, 167, 0
RGB Percent	67%, 65%, 0%
CMY	0.3294, 0.3451, 0.9997
CMYK	0.00, 0.02, 1.00, 0.33
HSL	59°, 100%, 34%
HSV	59°, 100%, 67%
XYZ	30.6125, 36.2954, 5.3937
YIQ	149.1580, 55.9910, -51.0890

Conversions

Conversions Part 2

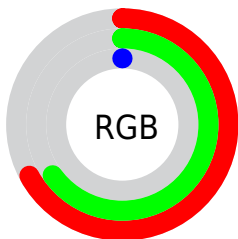
Format	Color
R_{YB}	4, 171, 0
Decimal	11249408
CIE _{Lab}	66.75, -13.93, 69.21
CIE _{LCh}	67, 70.599, 101.376
Yxy	36.2954, 0.4234, 0.5020
Android (android.graphics.Color)	4289439488 (0xFFABA700)
YUV	149.1580, -73.5349, 19.1554
Hunter-Lab	60.2457, -14.7291, 36.8638

Details

The Yxy color **36.2954, 0.4234, 0.5020** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.0284, 0.1505, 0.0616**, and the grayscale version is **30.4269, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.5873, 0.4093, 0.4742**, and **15.8389, 0.4179, 0.5064** is the 20% darker color. If you saturate the color by 10%, you get **36.2964, 0.4234, 0.5020**, and if you desaturate by 10%, it is **36.4843, 0.4204, 0.4982**.

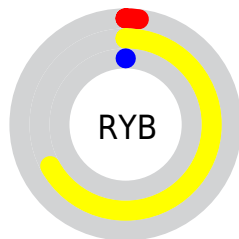
Distribution



Red (67%)

Green (65%)

Blue (0%)



Red (2%)

Yellow (67%)

Blue (0%)

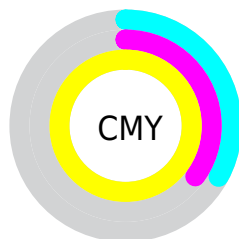


Cyan (0%)

Magenta (2%)

Yellow (100%)

Black (33%)



Cyan (33%)

Magenta (35%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.2954, 0.4234, 0.5020 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 36.2954, 0.4234, 0.5020 by changing the saturation by 10% instead.

 36.2954, 0.4234,
0.5020


 36.2954, 0.4234,
0.5020


330.2498, 0.3757,
0.4183


 24.6624, 0.4303,
0.5188


 69.4878, 0.4093,
0.4740


 15.8257, 0.4357,
0.5372


 91.8159, 0.4029,
0.4626

 9.4009, 0.4402,
0.5598


 118.4780, 0.3971,
0.4526


 5.0036, 0.4288,
0.5712

 149.8583, 0.3919,
0.4440

 2.2494, 0.4104,
0.5896

 186.3412, 0.3872,
0.4364

 0.7467, 0.3312,
0.6688

 228.3112, 0.3830,

 0.0000, 0.0000,

0.4296

0.0000

276.1526, 0.3791,
0.4236

36.2954, 0.4234,
0.5020

36.2954, 0.4234,
0.5020

36.2964, 0.4234,
0.5020

36.4843, 0.4204,
0.4982

36.7071, 0.4155,
0.4911

36.9796, 0.4079,
0.4798

37.3081, 0.3979,
0.4644

37.6981, 0.3858,
0.4456

■ 38.1543, 0.3721,
0.4240

■ 38.6812, 0.3575,
0.4007

■ 39.2826, 0.3424,
0.3766

■ 39.9622, 0.3273,
0.3525

Harmonies

Analogous

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



36.2954, 0.4955, 0.4338



36.2954, 0.4234, 0.5020



36.2954, 0.3294, 0.5278

Triad

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



36.2954, 0.4234, 0.5020



36.2954, 0.1420, 0.2420



36.2954, 0.3717, 0.2335

Complementary

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



36.2954, 0.4234, 0.5020



3.0284, 0.1505, 0.0616

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.



36.2954, 0.2652, 0.1930



36.2954, 0.4234, 0.5020



36.2954, 0.1493, 0.1911

Square

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



36.2954, 0.4234, 0.5020



36.2954, 0.1694, 0.3404



36.2954, 0.1893, 0.1775



36.2954, 0.4734, 0.2926

Rectangle

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



36.2954, 0.4234, 0.5020



36.2954, 0.2655, 0.4951



36.2954, 0.1893, 0.1775



36.2954, 0.3343, 0.2175

Sweetspot

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



36.2971, 0.4234, 0.5020



69.2253, 0.3583, 0.4021



8.6712, 0.6361, 0.3278



15.3485, 0.3644, 0.4117



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.



36.2971, 0.4234, 0.5020



64.9648, 0.4235, 0.5020



31.3590, 0.3416, 0.5669



9.2977, 0.3263, 0.3509



27.3760, 0.4234, 0.5020



0.7714, 0.4220, 0.5031

Inverse Universe

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



3.0284, 0.1505, 0.0616



5.3782, 0.1503, 0.0612



4.6396, 0.1966, 0.0857



7.7860, 0.2985, 0.3061



2.2927, 0.1505, 0.0619



0.0733, 0.1528, 0.0700

Previews

White Background



This preview shows how the Yxy color 36.2954, 0.4234, 0.5020 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 36.2954, 0.4234, 0.5020 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 36.2954, 0.4234, 0.5020

Background



This preview shows how black text looks on a background with the Yxy color 36.2954, 0.4234, 0.5020.



This preview shows how white text looks on a background with the Yxy color 36.2954, 0.4234, 0.5020.

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

36.2954, 0.4234, 0.5020

Protanopia

36.2617, 0.4399, 0.4889

Deuteranopia

36.1605, 0.4671, 0.4576



Tritanopia

36.1778, 0.3283, 0.3127

Trichromacy



Original Color

36.2954, 0.4234, 0.5020

Protanomaly

36.1346, 0.4348, 0.4930

Deuteranomaly

36.1711, 0.4519, 0.4740

Tritanomaly

35.3019, 0.3819, 0.4041

Monochromacy



Original Color

36.2954, 0.4234, 0.5020

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.7713, 0.3709, 0.4229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2954, 0.4234, 0.5020 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(171, 167, 0)` looks like.

```
.text, #text, p{  
    color:rgb(171, 167, 0)  
}
```

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(171, 167, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 167, 0) }
```

Border

The CSS property to change the border of an element to Yxy 36.2954, 0.4234, 0.5020 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(171, 167, 0) }
```

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

```
.border{ border-color:rgb(171, 167, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 167, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 167, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 167, 0);  
box-shadow:4px 4px 4px 4px rgb(171, 167,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2954, 0.4234, 0.5020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 167, 0) }
```

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

```
.background{ background-color: rgb(171,  
167, 0) }
```

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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