

Converting Colors

Yxy(36.9411, 0.4155, 0.5095)

Have a look what the booklet for
Yxy(36.9411, 0.4155, 0.5095)
contains.

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Color

Yxy(36.8564, 0.4153, 0.5085)

Conversions

Conversions Part 1

Format	Color
Hex	A6AA00
RGB	166, 170, 0
RGB Percent	65%, 67%, 0%
CMY	0.3490, 0.3333, 1.0000
CMYK	0.02, 0.00, 1.00, 0.33
HSL	61°, 100%, 33%
HSV	61°, 100%, 67%
XYZ	30.1012, 36.8564, 5.5230
YIQ	149.4240, 52.1860, -53.7180

Conversions

Conversions Part 2

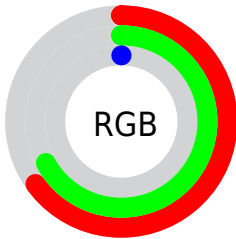
Format	Color
RYB	0, 170, 4
Decimal	10922496
CIELab	67.17, -17.67, 69.36
CIELCh	67, 71.576, 104.295
Yxy	36.8564, 0.4153, 0.5085
Android (android.graphics.Color)	4289112576 (0xFFA6AA00)
YUV	149.4240, -73.6660, 14.5372
Hunter-Lab	60.7095, -17.7370, 37.1027

Details

The Yxy color **36.8564, 0.4153, 0.5085** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.9282, 0.1508, 0.0604**, and the grayscale version is **30.5452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.3938, 0.4030, 0.4782**, and **16.2081, 0.4066, 0.5154** is the 20% darker color. If you saturate the color by 10%, you get **36.8584, 0.4153, 0.5085**, and if you desaturate by 10%, it is **36.9421, 0.4132, 0.5040**.

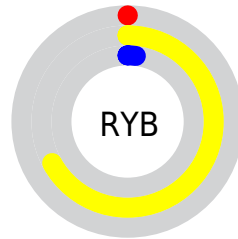
Distribution



Red (65%)

Green (67%)

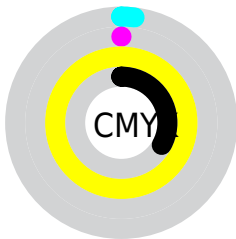
Blue (0%)



Red (0%)

Yellow (67%)

Blue (2%)

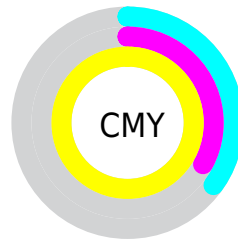


Cyan (2%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (35%)


Magenta (33%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.8564, 0.4153, 0.5085 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 36.8564, 0.4153, 0.5085 by changing the saturation by 10% instead.

 36.8564, 0.4153,
0.5085


 36.8564, 0.4153,
0.5085


332.6884, 0.3721,
0.4207


 25.0963, 0.4210,
0.5266


 70.3519, 0.4029,
0.4787

 16.1488, 0.4249,
0.5468


 92.8561, 0.3972,
0.4668

 9.6295, 0.4276,
0.5724


 119.7104, 0.3919,
0.4564

 5.1540, 0.4133,
0.5867

 151.2993, 0.3871,
0.4473

 2.3379, 0.3902,
0.6098

 188.0072, 0.3828,
0.4394

 0.7937, 0.2892,
0.7108

 230.2184, 0.3789,

 0.0000, 0.0000,

0.4324

0.0000

278.3173, 0.3753,
0.4262

■ 36.8564, 0.4153,
0.5085

■ 36.8564, 0.4153,
0.5085

■ 36.8584, 0.4153,
0.5085

■ 36.9421, 0.4132,
0.5040

■ 37.0606, 0.4092,
0.4963

■ 37.2276, 0.4027,
0.4843

■ 37.4496, 0.3937,
0.4683

■ 37.7319, 0.3826,
0.4488

■ 38.0793, 0.3698,
0.4266

■ 38.4960, 0.3559,
0.4026

■ 38.9858, 0.3414,
0.3779

■ 39.5525, 0.3269,
0.3531

Harmonies

Analogous

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



36.8564, 0.4913, 0.4414



36.8564, 0.4153, 0.5085



36.8564, 0.3197, 0.5277

Triad

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



36.8564, 0.4153, 0.5085



36.8564, 0.1402, 0.2342



36.8564, 0.3832, 0.2379

Complementary

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



36.8564, 0.4153, 0.5085



2.9282, 0.1508, 0.0604

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.



36.8564, 0.2742, 0.1950



36.8564, 0.4153, 0.5085



36.8564, 0.1507, 0.1873

Square

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



36.8564, 0.4153, 0.5085



36.8564, 0.1639, 0.3288



36.8564, 0.1942, 0.1769



36.8564, 0.4824, 0.2985

Rectangle

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



36.8564, 0.4153, 0.5085



36.8564, 0.2560, 0.4883



36.8564, 0.1942, 0.1769



36.8564, 0.3453, 0.2212

Sweetspot

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



36.8584, 0.4153, 0.5085



69.7997, 0.3566, 0.4040



8.6079, 0.6387, 0.3310



15.4937, 0.3624, 0.4139



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.



36.8584, 0.4153, 0.5085



66.8589, 0.4152, 0.5085



30.5520, 0.3348, 0.5724



8.7647, 0.3259, 0.3513



27.1160, 0.4153, 0.5084



0.6624, 0.4167, 0.5073

Inverse Universe

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



2.9282, 0.1508, 0.0604



5.2995, 0.1506, 0.0603



4.9691, 0.2062, 0.0910



7.3086, 0.2990, 0.3057



2.1574, 0.1510, 0.0605



0.0550, 0.1553, 0.0629

Previews

White Background



This preview shows how the Yxy color 36.8564, 0.4153, 0.5085 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 36.8564, 0.4153, 0.5085 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 36.8564, 0.4153, 0.5085

Background



This preview shows how black text looks on a background with the Yxy color 36.8564, 0.4153, 0.5085.



This preview shows how white text looks on a background with the Yxy color 36.8564, 0.4153, 0.5085.

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

36.8564, 0.4153, 0.5085

Protanopia

36.7413, 0.4398, 0.4890

Deuteranopia

36.6391, 0.4665, 0.4575



Tritanopia

36.8210, 0.3212, 0.3126

Trichromacy



Original Color

36.8564, 0.4153, 0.5085

Protanomaly

36.6195, 0.4306, 0.4963

Deuteranomaly

36.2584, 0.4486, 0.4762

Tritanomaly

35.9220, 0.3743, 0.4064

Monochromacy



Original Color

36.8564, 0.4153, 0.5085

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.9087, 0.3682, 0.4250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8564, 0.4153, 0.5085 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, 170, 0)` looks like.

```
.text, #text, p{  
    color:rgb(166, 170, 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(166, 170, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 170, 0) }
```

Border

The CSS property to change the border of an element to Yxy 36.8564, 0.4153, 0.5085 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, 170, 0) }
```

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

```
.border{ border-color:rgb(166, 170, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 170, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 170, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 170, 0);  
box-shadow:4px 4px 4px 4px rgb(166, 170,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8564, 0.4153, 0.5085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 170, 0) }
```

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

```
.background{ background-color: rgb(166,  
170, 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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