

Converting Colors

$Yxy(36.5535, 0.4023, 0.4640)$

Have a look what the booklet for
Yxy(36.5535, 0.4023, 0.4640)
contains.

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Color

Yxy(36.4364, 0.4025, 0.4636)

Conversions

Conversions Part 1

Format	Color
Hex	ACA642
RGB	172, 166, 66
RGB Percent	67%, 65%, 26%
CMY	0.3255, 0.3490, 0.7411
CMYK	0.00, 0.03, 0.62, 0.33
HSL	57°, 45%, 47%
HSV	57°, 62%, 67%
XYZ	31.6343, 36.4364, 10.5238
YIQ	156.3940, 35.6760, -29.8280

Conversions

Conversions Part 2

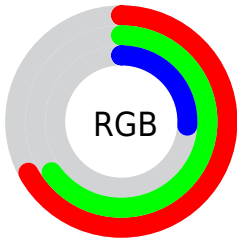
Format	Color
RYB	72, 172, 66
Decimal	11314754
CIELab	66.85, -10.62, 51.06
CIELCh	67, 52.156, 101.744
Yxy	36.4364, 0.4025, 0.4636
Android (android.graphics.Color)	4289504834 (0xFFACA642)
YUV	156.3940, -44.5642, 13.6865
Hunter-Lab	60.3626, -12.0878, 31.9170

Details

The Yxy color **36.4364, 0.4025, 0.4636** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.7767, 0.1973, 0.1442**, and the grayscale version is **33.6246, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.8439, 0.3885, 0.4394**, and **15.8319, 0.4215, 0.4983** is the 20% darker color. If you saturate the color by 10%, you get **35.9118, 0.4130, 0.4781**, and if you desaturate by 10%, it is **37.0281, 0.3899, 0.4456**.

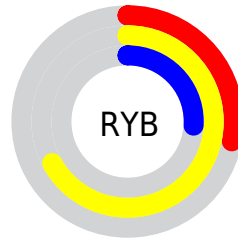
Distribution



Red (67%)

Green (65%)

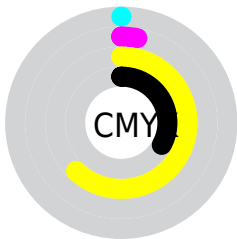
Blue (26%)



Red (28%)

Yellow (67%)

Blue (26%)

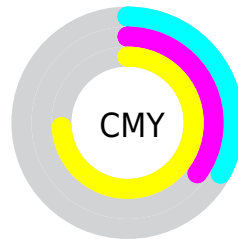


Cyan (0%)

Magenta (3%)

Yellow (62%)

Black (33%)



Cyan (33%)


Magenta (35%)

Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.4364, 0.4025, 0.4636 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 36.4364, 0.4025, 0.4636 by changing the saturation by 10% instead.


 36.4364, 0.4025,
0.4636

 36.4364, 0.4025,
0.4636

330.8640, 0.3599,
0.3953

 24.7714, 0.4112,
0.4796


 69.7051, 0.3882,
0.4392


 15.9068, 0.4207,
0.4990


 92.0776, 0.3824,
0.4298


 9.4583, 0.4299,
0.5219


 118.7881, 0.3773,
0.4219

 5.0413, 0.4432,
0.5568

 150.2210, 0.3729,
0.4150

 2.2715, 0.4293,
0.5707

 186.7606, 0.3691,
0.4091

 0.7586, 0.3784,
0.6216

228.7914, 0.3656,

 0.0000, 0.0000,

0.4039

0.0000

276.6977, 0.3626,
0.3993

■ 36.4364, 0.4025,
0.4636

■ 36.4364, 0.4025,
0.4636

■ 35.9118, 0.4130,
0.4781

■ 37.0281, 0.3899,
0.4456

■ 35.4436, 0.4210,
0.4884

■ 37.6867, 0.3758,
0.4249

■ 35.0266, 0.4265,
0.4945

■ 38.4184, 0.3607,
0.4024

■ 34.7043, 0.4295,
0.4972

■ 39.2274, 0.3452,
0.3790

■ 40.1173, 0.3299,
0.3555

■ 41.0916, 0.3150,
0.3326

■ 42.1537, 0.3010,
0.3107

■ 43.3067, 0.2879,
0.2901

■ 44.5534, 0.2758,
0.2710

Harmonies

Analogous

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



36.4364, 0.4547, 0.4183



36.4364, 0.4025, 0.4636



36.4364, 0.3301, 0.4720

Triad

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



36.4364, 0.4025, 0.4636



36.4364, 0.1786, 0.2657



36.4364, 0.3589, 0.2557

Complementary

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



36.4364, 0.4025, 0.4636



8.7767, 0.1973, 0.1442

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.



36.4364, 0.2791, 0.2223



36.4364, 0.4025, 0.4636



36.4364, 0.1841, 0.2229

Square

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



36.4364, 0.4025, 0.4636



36.4364, 0.2029, 0.3392



36.4364, 0.2180, 0.2100



36.4364, 0.4323, 0.3046

Rectangle

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



36.4364, 0.4025, 0.4636



36.4364, 0.2801, 0.4454



36.4364, 0.2180, 0.2100



36.4364, 0.3314, 0.2425

Sweetspot

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



36.4381, 0.4025, 0.4636



71.6744, 0.3401, 0.3712



13.1532, 0.4905, 0.3199



15.4801, 0.3445, 0.3779



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.



36.4381, 0.4025, 0.4636



64.8182, 0.4163, 0.4824



34.3424, 0.3519, 0.4963



9.2513, 0.3264, 0.3502



25.8515, 0.4294, 0.4973



0.7421, 0.4261, 0.4999

Inverse Universe

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



8.7767, 0.1973, 0.1442



10.4175, 0.1739, 0.1045



10.3201, 0.2414, 0.1550



7.8273, 0.2985, 0.3069



2.4015, 0.1513, 0.0645



0.0899, 0.1566, 0.0836

Previews

White Background



This preview shows how the Yxy color 36.4364, 0.4025, 0.4636 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 36.4364, 0.4025, 0.4636 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 36.4364, 0.4025, 0.4636

Background



This preview shows how black text looks on a background with the Yxy color 36.4364, 0.4025, 0.4636.



This preview shows how white text looks on a background with the Yxy color 36.4364, 0.4025, 0.4636.

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

36.4364, 0.4025, 0.4636

Protanopia

36.3998, 0.4149, 0.4562

Deuteranopia

36.4289, 0.4408, 0.4322



Tritanopia

36.4278, 0.3262, 0.3126

Trichromacy



Original Color

36.4364, 0.4025, 0.4636

Protanomaly

36.3976, 0.4110, 0.4590

Deuteranomaly

36.2900, 0.4267, 0.4434

Tritanomaly

36.2453, 0.3578, 0.3702

Monochromacy



Original Color

36.4364, 0.4025, 0.4636

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.2531, 0.3488, 0.3848

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4364, 0.4025, 0.4636 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(172, 166, 66)` looks like.

```
.text, #text, p{  
    color:rgb(172, 166, 66)  
}
```

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(172, 166, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 166, 66) }
```

Border

The CSS property to change the border of an element to Yxy 36.4364, 0.4025, 0.4636 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(172, 166, 66) }
```

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

```
.border{ border-color:rgb(172, 166, 66) }
```

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

Here you see how a box with a 4 pixel rgb(172, 166, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 166, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 166, 66);  
box-shadow:4px 4px 4px 4px rgb(172, 166,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 36.4364, 0.4025, 0.4636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 166, 66) }
```

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

```
.background{ background-color: rgb(172,  
166, 66) }
```

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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