

Converting Colors

$Y_{xy}(35.1309, 0.4029, 0.4590)$

Have a look what the booklet for
Yxy(35.1309, 0.4029, 0.4590)
contains.

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Color

Yxy(35.2697, 0.4025, 0.4589)

Conversions

Conversions Part 1

Format	Color
Hex	ABA344
RGB	171, 163, 68
RGB Percent	67%, 64%, 27%
CMY	0.3294, 0.3608, 0.7332
CMYK	0.00, 0.05, 0.60, 0.33
HSL	55°, 43%, 47%
HSV	55°, 60%, 67%
XYZ	30.9350, 35.2697, 10.6524
YIQ	154.5620, 35.2630, -27.8490

Conversions

Conversions Part 2

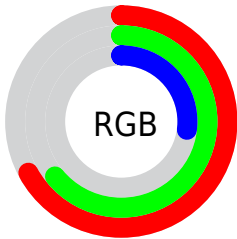
Format	Color
RYB	77, 171, 68
Decimal	11248452
CIELab	65.96, -9.33, 49.15
CIELCh	66, 50.029, 100.754
Yxy	35.2697, 0.4025, 0.4589
Android (android.graphics.Color)	4289438532 (0xFFABA344)
YUV	154.5620, -42.6751, 14.4161
Hunter-Lab	59.3883, -10.9501, 30.9371

Details

The Yxy color **35.2697, 0.4025, 0.4589** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.3432, 0.2009, 0.1523**, and the grayscale version is **32.7572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9929, 0.3872, 0.4354**, and **15.3279, 0.4213, 0.4943** is the 20% darker color. If you saturate the color by 10%, you get **34.6234, 0.4139, 0.4737**, and if you desaturate by 10%, it is **35.9852, 0.3891, 0.4407**.

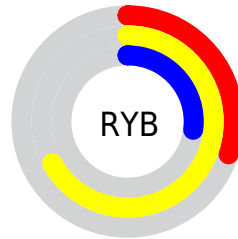
Distribution



Red (67%)

Green (64%)

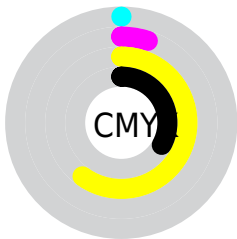
Blue (27%)



Red (30%)

Yellow (67%)

Blue (27%)

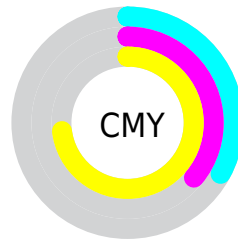


Cyan (0%)

Magenta (5%)

Yellow (60%)

Black (33%)



Cyan (33%)


Magenta (36%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.2697, 0.4025, 0.4589 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 35.2697, 0.4025, 0.4589 by changing the saturation by 10% instead.

 35.2697, 0.4025,
0.4589

 35.2697, 0.4025,
0.4589


325.7572, 0.3592,
0.3926

 23.8707, 0.4116,
0.4746


 67.9034, 0.3878,
0.4351


 15.2377, 0.4217,
0.4937


 89.9068, 0.3819,
0.4260


 8.9864, 0.4320,
0.5164


 116.2139, 0.3768,
0.4183

 4.7323, 0.4477,
0.5523

 147.2090, 0.3723,
0.4117

 2.0911, 0.4350,
0.5650

 183.2764, 0.3684,
0.4059

 0.6596, 0.3769,
0.6231

224.8007, 0.3650,

 0.0000, 0.0000,

0.4009

0.0000

272.1661, 0.3620,
0.3965

■ 35.2697, 0.4025,
0.4589

■ 35.2697, 0.4025,
0.4589

■ 34.6234, 0.4139,
0.4737

■ 35.9852, 0.3891,
0.4407

■ 34.0357, 0.4229,
0.4845

■ 36.7697, 0.3744,
0.4200

■ 33.5020, 0.4293,
0.4909

■ 37.6292, 0.3589,
0.3977

■ 33.0178, 0.4335,
0.4940

■ 38.5677, 0.3432,
0.3747

■ 39.5888, 0.3278,
0.3517

■ 40.6961, 0.3130,
0.3295

■ 41.8926, 0.2991,
0.3082

■ 43.1816, 0.2861,
0.2883

■ 44.5658, 0.2743,
0.2699

Harmonies

Analogous

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



35.2697, 0.4520, 0.4147



35.2697, 0.4025, 0.4589



35.2697, 0.3324, 0.4679

Triad

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



35.2697, 0.4025, 0.4589



35.2697, 0.1824, 0.2697



35.2697, 0.3550, 0.2563

Complementary

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



35.2697, 0.4025, 0.4589



9.3432, 0.2009, 0.1523

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.



35.2697, 0.2778, 0.2242



35.2697, 0.4025, 0.4589



35.2697, 0.1867, 0.2268

Square

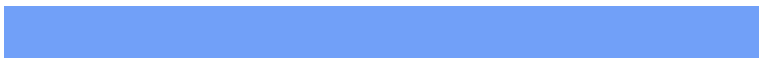
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



35.2697, 0.4025, 0.4589



35.2697, 0.2073, 0.3418



35.2697, 0.2190, 0.2130



35.2697, 0.4268, 0.3038

Rectangle

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



35.2697, 0.4025, 0.4589



35.2697, 0.2837, 0.4433



35.2697, 0.2190, 0.2130



35.2697, 0.3284, 0.2436

Sweetspot

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



35.2713, 0.4025, 0.4589



69.4137, 0.3403, 0.3703



13.3269, 0.4810, 0.3175



15.3679, 0.3447, 0.3769



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.



35.2713, 0.4025, 0.4589



61.6812, 0.4169, 0.4775



34.1375, 0.3532, 0.4917



9.2223, 0.3265, 0.3497



24.9280, 0.4333, 0.4941



0.7242, 0.4286, 0.4978

Inverse Universe

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



9.3432, 0.2009, 0.1523



11.2597, 0.1779, 0.1136



10.4548, 0.2415, 0.1581



7.8533, 0.2985, 0.3074



2.4716, 0.1517, 0.0662



0.1003, 0.1589, 0.0919

Previews

White Background



This preview shows how the Yxy color 35.2697, 0.4025, 0.4589 looks on a white background.

Color Contrast Check

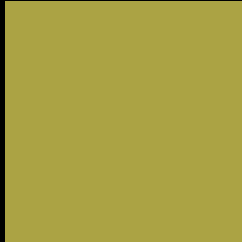
Large Text (above 18pt) WCAG AA × Fail

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 35.2697, 0.4025, 0.4589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

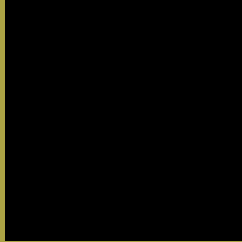
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.2697, 0.4025, 0.4589

Background



This preview shows how black text looks on a background with the Yxy color 35.2697, 0.4025, 0.4589.



This preview shows how white text looks on a background with the Yxy color 35.2697, 0.4025, 0.4589.

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

35.2697, 0.4025, 0.4589

Protanopia

35.3600, 0.4122, 0.4538

Deuteranopia

34.9172, 0.4380, 0.4290



Tritanopia

35.2024, 0.3285, 0.3125

Trichromacy



Original Color

35.2697, 0.4025, 0.4589

Protanomaly

35.3599, 0.4082, 0.4566

Deuteranomaly

34.9105, 0.4249, 0.4397

Tritanomaly

35.0728, 0.3588, 0.3677

Monochromacy



Original Color

35.2697, 0.4025, 0.4589

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.4608, 0.3484, 0.3822

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2697, 0.4025, 0.4589 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, 163, 68)` looks like.

```
.text, #text, p{  
    color:rgb(171, 163, 68)  
}
```

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, 163, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 163, 68) }
```

Border

The CSS property to change the border of an element to Yxy 35.2697, 0.4025, 0.4589 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, 163, 68) }
```

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

```
.border{ border-color:rgb(171, 163, 68) }
```

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

Here you see how a box with a 4 pixel rgb(171, 163, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 163, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 163, 68);  
box-shadow:4px 4px 4px 4px rgb(171, 163,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 35.2697, 0.4025, 0.4589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 163, 68) }
```

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

```
.background{ background-color: rgb(171,  
163, 68) }
```

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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