

Converting Colors

$Y_{xy}(36.3753, 0.4152, 0.5085)$

Have a look what the booklet for
Yxy(36.3753, 0.4152, 0.5085)
contains.

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Color

Yxy(36.3753, 0.4152, 0.5085)

Conversions

Conversions Part 1

Format	Color
Hex	A5A900
RGB	165, 169, 0
RGB Percent	65%, 66%, 0%
CMY	0.3531, 0.3372, 0.9996
CMYK	0.02, 0.00, 1.00, 0.34
HSL	61°, 100%, 33%
HSV	61°, 100%, 66%
XYZ	29.7011, 36.3753, 5.4581
YIQ	148.5380, 51.8650, -53.4070

Conversions

Conversions Part 2

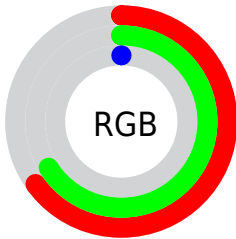
Format	Color
RYB	0, 169, 4
Decimal	10856704
CIELab	66.81, -17.62, 69.02
CIELCh	67, 71.239, 104.322
Yxy	36.3753, 0.4152, 0.5085
Android (android.graphics.Color)	4289046784 (0xFFA5A900)
YUV	148.5380, -73.2292, 14.4372
Hunter-Lab	60.3119, -17.6420, 36.8528

Details

The Yxy color **36.3753, 0.4152, 0.5085** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.8939, 0.1509, 0.0605**, and the grayscale version is **30.1516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.6804, 0.4032, 0.4787**, and **15.9738, 0.4079, 0.5143** is the 20% darker color. If you saturate the color by 10%, you get **36.3765, 0.4152, 0.5085**, and if you desaturate by 10%, it is **36.4607, 0.4131, 0.5040**.

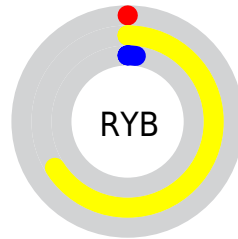
Distribution



Red (65%)

Green (66%)

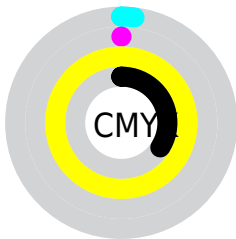
Blue (0%)



Red (0%)

Yellow (66%)

Blue (2%)

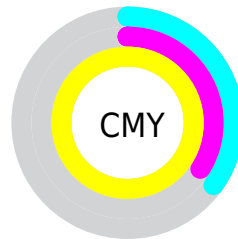


Cyan (2%)

Magenta (0%)

Yellow (100%)

Black (34%)



Cyan (35%)


Magenta (34%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.3753, 0.4152, 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 36.3753, 0.4152, 0.5085 by changing the saturation by 10% instead.


 36.3753, 0.4152,
0.5085


 36.3753, 0.4152,
0.5085


330.5979, 0.3719,
0.4204

 24.7242, 0.4210,
0.5267


 69.6109, 0.4028,
0.4786


 15.8717, 0.4249,
0.5470


 91.9643, 0.3970,
0.4666


 9.4334, 0.4274,
0.5726


 118.6538, 0.3917,
0.4562

 5.0249, 0.4129,
0.5871

 150.0639, 0.3869,
0.4471

 2.2619, 0.3893,
0.6107

 186.5789, 0.3826,
0.4392

 0.7534, 0.2751,
0.7249

 228.5834, 0.3787,

 0.0000, 0.0000,

0.4322

0.0000

276.4616, 0.3751,
0.4260

36.3753, 0.4152,
0.5085

36.3753, 0.4152,
0.5085

36.3765, 0.4152,
0.5085

36.4607, 0.4131,
0.5040

36.5787, 0.4091,
0.4962

36.7447, 0.4026,
0.4842

36.9650, 0.3936,
0.4682

37.2448, 0.3824,
0.4486

■ 37.5889, 0.3696,
0.4264

■ 38.0013, 0.3557,
0.4025

■ 38.4859, 0.3413,
0.3777

■ 39.0463, 0.3268,
0.3530

Harmonies

Analogous

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



36.3753, 0.4912, 0.4414



36.3753, 0.4152, 0.5085



36.3753, 0.3196, 0.5277

Triad

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



36.3753, 0.4152, 0.5085



36.3753, 0.1402, 0.2342



36.3753, 0.3833, 0.2380

Complementary

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



36.3753, 0.4152, 0.5085



2.8939, 0.1509, 0.0605

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.



36.3753, 0.2743, 0.1951



36.3753, 0.4152, 0.5085



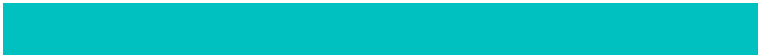
36.3753, 0.1508, 0.1874

Square

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



36.3753, 0.4152, 0.5085



36.3753, 0.1639, 0.3287



36.3753, 0.1943, 0.1769



36.3753, 0.4824, 0.2986

Rectangle

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



36.3753, 0.4152, 0.5085



36.3753, 0.2559, 0.4881



36.3753, 0.1943, 0.1769



36.3753, 0.3454, 0.2212

Sweetspot

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



36.3770, 0.4152, 0.5085



67.9998, 0.3566, 0.4039



8.4998, 0.6386, 0.3310



14.7535, 0.3623, 0.4137



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



36.3770, 0.4152, 0.5085



65.1240, 0.4151, 0.5086



30.1629, 0.3348, 0.5723



8.7645, 0.3259, 0.3513



27.1104, 0.4152, 0.5085



0.6623, 0.4167, 0.5074

Inverse Universe

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



2.8939, 0.1509, 0.0605



5.1641, 0.1506, 0.0603



4.9113, 0.2063, 0.0910



7.3088, 0.2990, 0.3057



2.1578, 0.1510, 0.0605



0.0551, 0.1554, 0.0630

Previews

White Background



This preview shows how the Yxy color 36.3753, 0.4152, 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 36.3753, 0.4152, 0.5085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

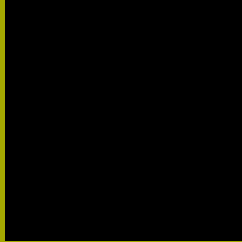
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.3753, 0.4152, 0.5085

Background



This preview shows how black text looks on a background with the Yxy color 36.3753, 0.4152, 0.5085.



This preview shows how white text looks on a background with the Yxy color 36.3753, 0.4152, 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

36.3753, 0.4152, 0.5085

Protanopia

36.2617, 0.4399, 0.4889

Deuteranopia

36.1649, 0.4668, 0.4572



Tritanopia

36.2086, 0.3203, 0.3124

Trichromacy



Original Color

36.3753, 0.4152, 0.5085

Protanomaly

36.1404, 0.4306, 0.4963

Deuteranomaly

35.7839, 0.4487, 0.4760

Tritanomaly

35.3431, 0.3727, 0.4057

Monochromacy



Original Color

36.3753, 0.4152, 0.5085

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.5717, 0.3687, 0.4237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3753, 0.4152, 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(165, 169, 0)` looks like.

```
.text, #text, p{  
    color:rgb(165, 169, 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(165, 169, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 169, 0) }
```

Border

The CSS property to change the border of an element to Yxy 36.3753, 0.4152, 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(165, 169, 0) }
```

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

```
.border{ border-color:rgb(165, 169, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 169, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 169, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 169, 0);  
box-shadow:4px 4px 4px 4px rgb(165, 169,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3753, 0.4152, 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(165, 169, 0) }
```

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

```
.background{ background-color: rgb(165,  
169, 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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