

Converting Colors

$Yxy(36.8128, 0.3962, 0.4666)$

Have a look what the booklet for
Yxy(36.8128, 0.3962, 0.4666)
contains.

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Color

Yxy(36.7353, 0.3962, 0.4670)

Conversions

Conversions Part 1

Format	Color
Hex	A8A843
RGB	168, 168, 67
RGB Percent	66%, 66%, 26%
CMY	0.3411, 0.3412, 0.7372
CMYK	0.00, 0.00, 0.60, 0.34
HSL	60°, 43%, 46%
HSV	60°, 60%, 66%
XYZ	31.1660, 36.7353, 10.7610
YIQ	156.4860, 32.4210, -31.4110

Conversions

Conversions Part 2

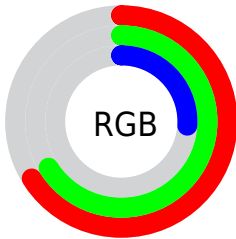
Format	Color
RYB	67, 168, 67
Decimal	11053123
CIELab	67.08, -13.31, 50.77
CIELCh	67, 52.484, 104.688
Yxy	36.7353, 0.3962, 0.4670
Android (android.graphics.Color)	4289243203 (0xFFA8A843)
YUV	156.4860, -44.1166, 10.0978
Hunter-Lab	60.6097, -14.2806, 31.9001

Details

The Yxy color **36.7353, 0.3962, 0.4670** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.0392, 0.1984, 0.1400**, and the grayscale version is **33.6670, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.1148, 0.3830, 0.4419**, and **16.0190, 0.4126, 0.5045** is the 20% darker color. If you saturate the color by 10%, you get **36.5633, 0.4056, 0.4825**, and if you desaturate by 10%, it is **36.9692, 0.3847, 0.4480**.

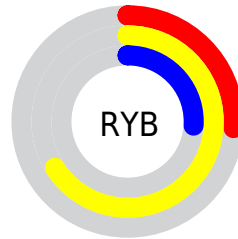
Distribution



Red (66%)

Green (66%)

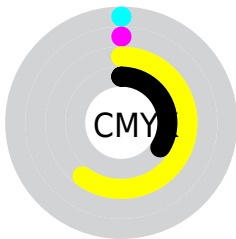
Blue (26%)



Red (26%)

Yellow (66%)

Blue (26%)

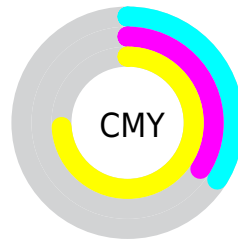


Cyan (0%)

Magenta (0%)

Yellow (60%)

Black (34%)



Cyan (34%)


Magenta (34%)


Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.7353, 0.3962, 0.4670 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 36.7353, 0.3962, 0.4670 by changing the saturation by 10% instead.


 36.7353, 0.3962,
0.4670


 36.7353, 0.3962,
0.4670


332.1631, 0.3569,
0.3964


 25.0026, 0.4040,
0.4838


 70.1655, 0.3831,
0.4416

 16.0790, 0.4124,
0.5044

 92.6318, 0.3778,
0.4319

 9.5801, 0.4201,
0.5291


 119.4447, 0.3732,
0.4237

 5.1214, 0.4319,
0.5681

 150.9887, 0.3691,
0.4167

 2.3187, 0.4147,
0.5853

 187.6482, 0.3655,
0.4106

 0.7836, 0.3489,
0.6511

229.8074, 0.3623,

 0.0000, 0.0000,

0.4052

0.0000

277.8510, 0.3595,
0.4005

■ 36.7353, 0.3962,
0.4670

■ 36.7353, 0.3962,
0.4670

■ 36.5633, 0.4056,
0.4825

■ 36.9692, 0.3847,
0.4480

■ 36.4428, 0.4125,
0.4940

■ 37.2646, 0.3715,
0.4262

■ 36.3695, 0.4169,
0.5012

■ 37.6272, 0.3572,
0.4025

■ 36.3297, 0.4193,
0.5052

■ 38.0608, 0.3423,
0.3780

■ 38.5689, 0.3274,
0.3533

■ 39.1548, 0.3129,
0.3293

■ 39.8216, 0.2990,
0.3063

■ 40.5722, 0.2859,
0.2847

■ 41.4094, 0.2738,
0.2646

Harmonies

Analogous

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



36.7353, 0.4514, 0.4238



36.7353, 0.3962, 0.4670



36.7353, 0.3226, 0.4703

Triad

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



36.7353, 0.3962, 0.4670



36.7353, 0.1775, 0.2598



36.7353, 0.3671, 0.2598

Complementary

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



36.7353, 0.3962, 0.4670



8.0392, 0.1984, 0.1400

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.



36.7353, 0.2863, 0.2244



36.7353, 0.3962, 0.4670



36.7353, 0.1858, 0.2201

Square

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



36.7353, 0.3962, 0.4670



36.7353, 0.1988, 0.3309



36.7353, 0.2225, 0.2098



36.7353, 0.4384, 0.3098

Rectangle

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



36.7353, 0.3962, 0.4670



36.7353, 0.2729, 0.4398



36.7353, 0.2225, 0.2098



36.7353, 0.3396, 0.2460

Sweetspot

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



36.7370, 0.3962, 0.4670



69.2131, 0.3397, 0.3736



12.7686, 0.4926, 0.3272



15.0330, 0.3439, 0.3805



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.



36.7370, 0.3962, 0.4670



66.2618, 0.4081, 0.4866



32.3498, 0.3466, 0.4949



8.7737, 0.3262, 0.3513



27.4317, 0.4193, 0.5052



0.6674, 0.4193, 0.5052

Inverse Universe

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



8.0392, 0.1984, 0.1400



9.5173, 0.1748, 0.1011



10.5457, 0.2500, 0.1622



7.3006, 0.2986, 0.3057



2.1352, 0.1500, 0.0600



0.0520, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 36.7353, 0.3962, 0.4670 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 36.7353, 0.3962, 0.4670 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 36.7353, 0.3962, 0.4670

Background



This preview shows how black text looks on a background with the Yxy color 36.7353, 0.3962, 0.4670.



This preview shows how white text looks on a background with the Yxy color 36.7353, 0.3962, 0.4670.

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

36.7353, 0.3962, 0.4670

Protanopia

36.5328, 0.4153, 0.4547

Deuteranopia

36.4542, 0.4394, 0.4304



Tritanopia

36.8210, 0.3212, 0.3126

Trichromacy



Original Color

36.7353, 0.3962, 0.4670

Protanomaly

36.6507, 0.4085, 0.4597

Deuteranomaly

36.5310, 0.4234, 0.4431

Tritanomaly

36.5328, 0.3512, 0.3707

Monochromacy



Original Color

36.7353, 0.3962, 0.4670

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.0704, 0.3458, 0.3837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7353, 0.3962, 0.4670 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(168, 168, 67)` looks like.

```
.text, #text, p{  
    color:rgb(168, 168, 67)  
}
```

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(168, 168, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 168, 67) }
```

Border

The CSS property to change the border of an element to Yxy 36.7353, 0.3962, 0.4670 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(168, 168, 67) }
```

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

```
.border{ border-color:rgb(168, 168, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 168, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 168, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 168, 67);  
box-shadow:4px 4px 4px 4px rgb(168, 168,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7353, 0.3962, 0.4670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 168, 67) }
```

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

```
.background{ background-color: rgb(168,  
168, 67) }
```

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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