

Converting Colors

$Y_{xy}(36.7078, 0.4101, 0.4955)$

Have a look what the booklet for
Yxy(36.7078, 0.4101, 0.4955)
contains.

Yxy(36.7069, 0.4103, 0.4953)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.7069, 0.4103, 0.4953)

Conversions

Conversions Part 1

Format	Color
Hex	A7A922
RGB	167, 169, 34
RGB Percent	65%, 66%, 13%
CMY	0.3452, 0.3372, 0.8666
CMYK	0.01, 0.00, 0.80, 0.34
HSL	61°, 66%, 40%
HSV	61°, 80%, 66%
XYZ	30.4075, 36.7069, 6.9960
YIQ	153.0120, 42.1430, -42.4090

Conversions

Conversions Part 2

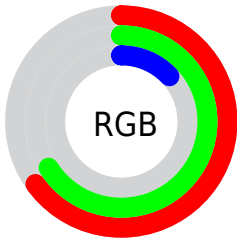
Format	Color
RYB	34, 169, 36
Decimal	10987810
CIELab	67.06, -16.04, 63.10
CIELCh	67, 65.102, 104.259
Yxy	36.7069, 0.4103, 0.4953
Android (android.graphics.Color)	4289177890 (0xFFA7A922)
YUV	153.0120, -58.6729, 12.2675
Hunter-Lab	60.5862, -16.4388, 35.5640

Details

The Yxy color **36.7069, 0.4103, 0.4953** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.3858, 0.1666, 0.0863**, and the grayscale version is **32.1065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.0916, 0.3970, 0.4665**, and **16.1021, 0.4108, 0.5121** is the 20% darker color. If you saturate the color by 10%, you get **36.6059, 0.4145, 0.5029**, and if you desaturate by 10%, it is **36.8593, 0.4036, 0.4834**.

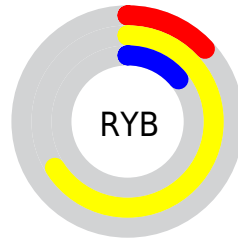
Distribution



Red (65%)

Green (66%)

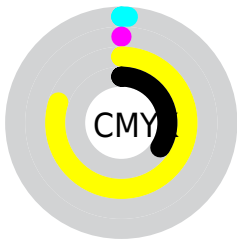
Blue (13%)



Red (13%)

Yellow (66%)

Blue (14%)

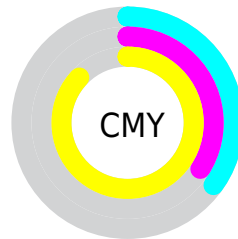


Cyan (1%)

Magenta (0%)

Yellow (80%)

Black (34%)



Cyan (35%)

Magenta (34%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.7069, 0.4103, 0.4953 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 36.7069, 0.4103, 0.4953 by changing the saturation by 10% instead.

36.7069, 0.4103,
0.4953

36.7069, 0.4103,
0.4953

332.0398, 0.3673,
0.4125

24.9806, 0.4171,
0.5134

70.1218, 0.3972,
0.4666

16.0626, 0.4230,
0.5341

92.5792, 0.3914,
0.4553

9.5685, 0.4318,
0.5650

119.3824, 0.3862,
0.4455

5.1138, 0.4202,
0.5798

150.9158, 0.3816,
0.4371

2.3142, 0.3992,
0.6008

187.5639, 0.3774,
0.4297

0.7812, 0.3101,
0.6899

229.7110, 0.3737,

0.0000, 0.0000,

0.4233

0.0000

277.7415, 0.3703,
0.4176

■ 36.7069, 0.4103,
0.4953

■ 36.7069, 0.4103,
0.4953

■ 36.6059, 0.4145,
0.5029

■ 36.8593, 0.4036,
0.4834

■ 36.5377, 0.4167,
0.5073

■ 37.0641, 0.3944,
0.4675

■ 36.5369, 0.4167,
0.5073

■ 37.3285, 0.3831,
0.4481

■ 37.6570, 0.3701,
0.4260

■ 38.0539, 0.3561,
0.4022

■ 38.5229, 0.3415,
0.3775

■ 39.0676, 0.3269,
0.3528

■ 39.6914, 0.3125,
0.3287

■ 40.3973, 0.2989,
0.3058

Harmonies

Analogous

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



36.7069, 0.4792, 0.4363



36.7069, 0.4103, 0.4953



36.7069, 0.3217, 0.5085

Triad

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



36.7069, 0.4103, 0.4953



36.7069, 0.1520, 0.2431



36.7069, 0.3774, 0.2448

Complementary

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



36.7069, 0.4103, 0.4953



4.3858, 0.1666, 0.0863

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.



36.7069, 0.2778, 0.2042



36.7069, 0.4103, 0.4953



36.7069, 0.1617, 0.1980

Square

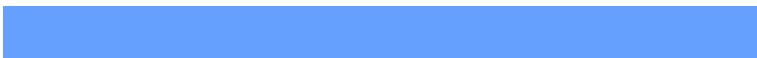
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



36.7069, 0.4103, 0.4953



36.7069, 0.1754, 0.3302



36.7069, 0.2030, 0.1873



36.7069, 0.4674, 0.3022

Rectangle

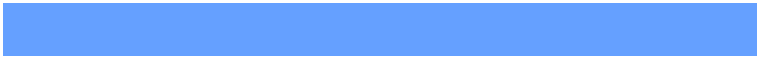
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.7069, 0.4103, 0.4953



36.7069, 0.2623, 0.4720



36.7069, 0.2030, 0.1873



36.7069, 0.3430, 0.2290

Sweetspot

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



36.7086, 0.4103, 0.4953



68.5802, 0.3482, 0.3888



9.6967, 0.5859, 0.3298



14.8862, 0.3532, 0.3972



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.



36.7086, 0.4103, 0.4953



65.4534, 0.4161, 0.5062



31.2934, 0.3449, 0.5423



8.7679, 0.3260, 0.3513



27.2277, 0.4167, 0.5073



0.6642, 0.4176, 0.5066

Inverse Universe

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



4.3858, 0.1666, 0.0863



5.3987, 0.1519, 0.0627



6.8060, 0.2264, 0.1171



7.3058, 0.2988, 0.3057



2.1495, 0.1506, 0.0603



0.0539, 0.1534, 0.0619

Previews

White Background



This preview shows how the Yxy color 36.7069, 0.4103, 0.4953 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 36.7069, 0.4103, 0.4953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

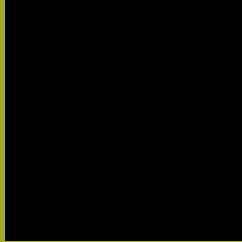
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7069, 0.4103, 0.4953

Background



This preview shows how black text looks on a background with the Yxy color 36.7069, 0.4103, 0.4953.



This preview shows how white text looks on a background with the Yxy color 36.7069, 0.4103, 0.4953.

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

36.7069, 0.4103, 0.4953

Protanopia

36.4945, 0.4339, 0.4779

Deuteranopia

36.5890, 0.4596, 0.4507



Tritanopia

36.4812, 0.3213, 0.3112

Trichromacy



Original Color

36.7069, 0.4103, 0.4953

Protanomaly

36.4850, 0.4258, 0.4841

Deuteranomaly

36.3645, 0.4418, 0.4667

Tritanomaly

35.8689, 0.3628, 0.3867

Monochromacy



Original Color

36.7069, 0.4103, 0.4953

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

33.1912, 0.3570, 0.4042

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7069, 0.4103, 0.4953 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(167, 169, 34)` looks like.

```
.text, #text, p{  
    color:rgb(167, 169, 34)  
}
```

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(167, 169, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 169, 34) }
```

Border

The CSS property to change the border of an element to Yxy 36.7069, 0.4103, 0.4953 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(167, 169, 34) }
```

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

```
.border{ border-color:rgb(167, 169, 34) }
```

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

Here you see how a box with a 4 pixel rgb(167, 169, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 169, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 169, 34);  
box-shadow:4px 4px 4px 4px rgb(167, 169,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7069, 0.4103, 0.4953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 169, 34) }
```

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

```
.background{ background-color: rgb(167,  
169, 34) }
```

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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