

Converting Colors

$Yxy(36.0674, 0.3773, 0.4564)$

Have a look what the booklet for
Yxy(36.0674, 0.3773, 0.4564)
contains.

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Color

Yxy(35.9703, 0.3774, 0.4558)

Conversions

Conversions Part 1

Format	Color
Hex	9FA851
RGB	159, 168, 81
RGB Percent	62%, 66%, 32%
CMY	0.3766, 0.3411, 0.6822
CMYK	0.05, 0.00, 0.52, 0.34
HSL	66°, 35%, 49%
HSV	66°, 52%, 66%
XYZ	29.7832, 35.9703, 13.1633
YIQ	155.3910, 22.5630, -28.9650

Conversions

Conversions Part 2

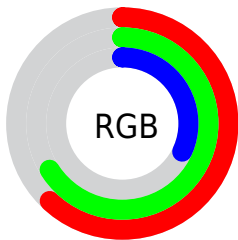
Format	Color
RYB	81, 168, 90
Decimal	10463313
CIELab	66.50, -15.98, 43.34
CIELCh	66, 46.196, 110.239
Yxy	35.9703, 0.3774, 0.4558
Android (android.graphics.Color)	4288653393 (0xFF9FA851)
YUV	155.3910, -36.6748, 3.1651
Hunter-Lab	59.9752, -16.3150, 28.9697

Details

The Yxy color **35.9703, 0.3774, 0.4558** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **10.8938, 0.2241, 0.1715**, and the grayscale version is **33.1195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.9159, 0.3666, 0.4308**, and **15.5930, 0.3902, 0.4939** is the 20% darker color. If you saturate the color by 10%, you get **35.5731, 0.3868, 0.4763**, and if you desaturate by 10%, it is **36.4357, 0.3663, 0.4327**.

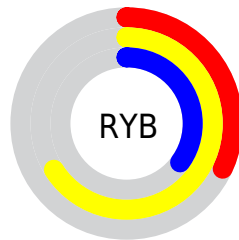
Distribution



Red (62%)

Green (66%)

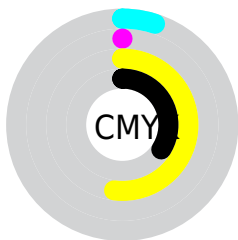
Blue (32%)



Red (32%)

Yellow (66%)

Blue (35%)

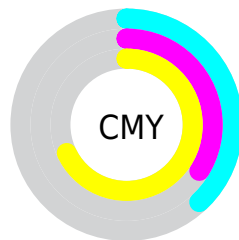


Cyan (5%)

Magenta (0%)

Yellow (52%)

Black (34%)



Cyan (38%)


Magenta (34%)

Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.9703, 0.3774, 0.4558 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 35.9703, 0.3774, 0.4558 by changing the saturation by 10% instead.

 35.9703, 0.3774,
0.4558


 35.9703, 0.3774,
0.4558


328.8307, 0.3466,
0.3892


 24.4113, 0.3838,
0.4727


 68.9862, 0.3670,
0.4312


 15.6390, 0.3909,
0.4941


 91.2119, 0.3628,
0.4220


 9.2690, 0.3980,
0.5216


 117.7619, 0.3591,
0.4144

 4.9171, 0.4116,
0.5695

 149.0206, 0.3560,
0.4078

 2.1987, 0.3979,
0.6021

 185.3725, 0.3532,
0.4022

 0.7193, 0.2898,
0.7102

227.2018, 0.3507,

 0.0000, 0.0000,

0.3973

0.0000

274.8931, 0.3485,
0.3930

■ 35.9703, 0.3774,
0.4558

■ 35.9703, 0.3774,
0.4558

■ 35.5731, 0.3868,
0.4763

■ 36.4357, 0.3663,
0.4327

■ 35.2344, 0.3939,
0.4933

■ 36.9686, 0.3540,
0.4081

■ 34.9505, 0.3987,
0.5062

■ 37.5744, 0.3411,
0.3827

■ 34.7151, 0.4009,
0.5148

■ 38.2567, 0.3279,
0.3576

■ 34.5462, 0.4013,
0.5195

■ 39.0189, 0.3150,
0.3332

■ 39.8640, 0.3025,
0.3101

■ 40.7951, 0.2907,
0.2885

■ 41.8148, 0.2796,
0.2685

■ 42.9259, 0.2694,
0.2503

Harmonies

Analogous

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



35.9703, 0.4305, 0.4243



35.9703, 0.3774, 0.4558



35.9703, 0.3102, 0.4475

Triad

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



35.9703, 0.3774, 0.4558



35.9703, 0.1899, 0.2592



35.9703, 0.3745, 0.2745

Complementary

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



35.9703, 0.3774, 0.4558



10.8938, 0.2241, 0.1715

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.



35.9703, 0.3023, 0.2391



35.9703, 0.3774, 0.4558



35.9703, 0.2023, 0.2276

Square

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



35.9703, 0.3774, 0.4558



35.9703, 0.2048, 0.3183



35.9703, 0.2408, 0.2221



35.9703, 0.4324, 0.3222

Rectangle

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



35.9703, 0.3774, 0.4558



35.9703, 0.2666, 0.4148



35.9703, 0.2408, 0.2221



35.9703, 0.3506, 0.2610

Sweetspot

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



35.9719, 0.3774, 0.4558



68.8358, 0.3339, 0.3689



16.1871, 0.4502, 0.3426



14.9507, 0.3364, 0.3738



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.



35.9719, 0.3774, 0.4558



64.4538, 0.3879, 0.4788



32.3043, 0.3343, 0.4764



8.7337, 0.3247, 0.3514



26.0975, 0.4015, 0.5194



0.6459, 0.4078, 0.5144

Inverse Universe

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



10.8938, 0.2241, 0.1715



13.9346, 0.2018, 0.1344



13.7213, 0.2735, 0.1903



7.3365, 0.3002, 0.3058



2.2396, 0.1543, 0.0624



0.0656, 0.1724, 0.0723

Previews

White Background



This preview shows how the Yxy color 35.9703, 0.3774, 0.4558 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 35.9703, 0.3774, 0.4558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

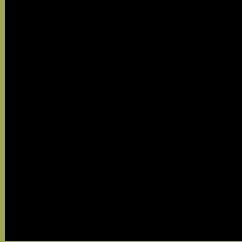
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.9703, 0.3774, 0.4558

Background



This preview shows how black text looks on a background with the Yxy color 35.9703, 0.3774, 0.4558.



This preview shows how white text looks on a background with the Yxy color 35.9703, 0.3774, 0.4558.

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

35.9703, 0.3774, 0.4558

Protanopia

35.9889, 0.4039, 0.4415

Deuteranopia

35.7728, 0.4251, 0.4168



Tritanopia

35.8290, 0.3117, 0.3107

Trichromacy



Original Color

35.9703, 0.3774, 0.4558

Protanomaly

35.9008, 0.3943, 0.4461

Deuteranomaly

35.6267, 0.4074, 0.4299

Tritanomaly

35.6750, 0.3374, 0.3644

Monochromacy



Original Color

35.9703, 0.3774, 0.4558

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.7680, 0.3380, 0.3782

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.9703, 0.3774, 0.4558 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(159, 168, 81)` looks like.

```
.text, #text, p{  
    color:rgb(159, 168, 81)  
}
```

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(159, 168, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 168, 81) }
```

Border

The CSS property to change the border of an element to Yxy 35.9703, 0.3774, 0.4558 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(159, 168, 81) }
```

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

```
.border{ border-color:rgb(159, 168, 81) }
```

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

Here you see how a box with a 4 pixel rgb(159, 168, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 168, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 168, 81);  
box-shadow:4px 4px 4px 4px rgb(159, 168,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 35.9703, 0.3774, 0.4558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 168, 81) }
```

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

```
.background{ background-color: rgb(159,  
168, 81) }
```

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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