

Converting Colors

$Yxy(36.4490, 0.3771, 0.4461)$

Have a look what the booklet for
Yxy(36.4490, 0.3771, 0.4461)
contains.

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Color

Yxy(36.4799, 0.3771, 0.4463)

Conversions

Conversions Part 1

Format	Color
Hex	A3A857
RGB	163, 168, 87
RGB Percent	64%, 66%, 34%
CMY	0.3609, 0.3411, 0.6588
CMYK	0.03, 0.00, 0.48, 0.34
HSL	64°, 32%, 50%
HSV	64°, 48%, 66%
XYZ	30.8236, 36.4799, 14.4350
YIQ	157.2710, 23.0210, -26.2510

Conversions

Conversions Part 2

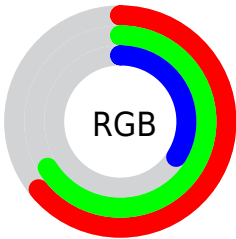
Format	Color
RYB	87, 168, 92
Decimal	10725463
CIELab	66.88, -13.74, 40.92
CIELCh	67, 43.171, 108.563
Yxy	36.4799, 0.3771, 0.4463
Android (android.graphics.Color)	4288915543 (0xFFA3A857)
YUV	157.2710, -34.6436, 5.0243
Hunter-Lab	60.3986, -14.6025, 28.1089

Details

The Yxy color **36.4799, 0.3771, 0.4463** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **11.9231, 0.2278, 0.1823**, and the grayscale version is **33.9962, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.6995, 0.3660, 0.4233**, and **15.8819, 0.3909, 0.4812** is the 20% darker color. If you saturate the color by 10%, you get **36.1283, 0.3879, 0.4671**, and if you desaturate by 10%, it is **36.8996, 0.3648, 0.4232**.

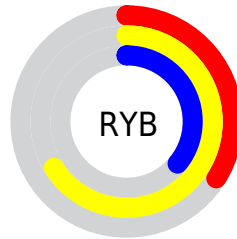
Distribution



Red (64%)

Green (66%)

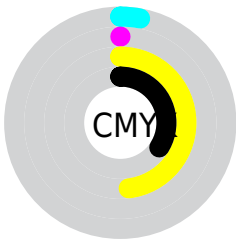
Blue (34%)



Red (34%)

Yellow (66%)

Blue (36%)

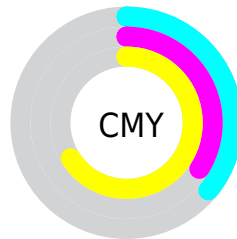


Cyan (3%)

Magenta (0%)

Yellow (48%)

Black (34%)



Cyan (36%)


Magenta (34%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.4799, 0.3771, 0.4463 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 36.4799, 0.3771, 0.4463 by changing the saturation by 10% instead.


 36.4799, 0.3771,
0.4463


 36.4799, 0.3771,
0.4463


331.0533, 0.3460,
0.3849


 24.8051, 0.3839,
0.4619


 69.7721, 0.3664,
0.4236


 15.9319, 0.3917,
0.4817


 92.1583, 0.3621,
0.4152


 9.4760, 0.4002,
0.5073


 118.8838, 0.3585,
0.4081

 5.0529, 0.4122,
0.5468

 150.3328, 0.3553,
0.4021

 2.2783, 0.4117,
0.5883

 186.8899, 0.3525,
0.3969

 0.7622, 0.3379,
0.6621

228.9394, 0.3501,

 0.0000, 0.0000,

0.3924

0.0000

276.8657, 0.3479,
0.3884

■ 36.4799, 0.3771,
0.4463

■ 36.4799, 0.3771,
0.4463

■ 36.1283, 0.3879,
0.4671

■ 36.8996, 0.3648,
0.4232

■ 35.8354, 0.3966,
0.4846

■ 37.3866, 0.3514,
0.3986

■ 35.5977, 0.4030,
0.4981


■ 37.9462, 0.3376,
0.3735

■ 35.4093, 0.4068,
0.5074


■ 38.5818, 0.3238,
0.3487

■ 35.2599, 0.4084,
0.5129

■ 39.2968, 0.3103,
0.3248

 35.2345, 0.4086,
0.5138

 40.0942, 0.2975,
0.3021

 40.9768, 0.2854,
0.2810

 41.9475, 0.2742,
0.2615

 43.0087, 0.2639,
0.2437

Harmonies

Analogous

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



36.4799, 0.4252, 0.4166



36.4799, 0.3771, 0.4463



36.4799, 0.3146, 0.4400

Triad

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



36.4799, 0.3771, 0.4463



36.4799, 0.1974, 0.2667



36.4799, 0.3667, 0.2758

Complementary

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



36.4799, 0.3771, 0.4463



11.9231, 0.2278, 0.1823

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.



36.4799, 0.2997, 0.2431



36.4799, 0.3771, 0.4463



36.4799, 0.2077, 0.2350

Square

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



36.4799, 0.3771, 0.4463



36.4799, 0.2133, 0.3232



36.4799, 0.2429, 0.2282



36.4799, 0.4218, 0.3205

Rectangle

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



36.4799, 0.3771, 0.4463



36.4799, 0.2733, 0.4114



36.4799, 0.2429, 0.2282



36.4799, 0.3444, 0.2632

Sweetspot

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



36.4816, 0.3771, 0.4463



69.2881, 0.3322, 0.3637



16.5066, 0.4395, 0.3356



15.0510, 0.3350, 0.3688



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.



36.4816, 0.3771, 0.4463



65.5010, 0.3887, 0.4687



32.9427, 0.3374, 0.4639



8.7497, 0.3253, 0.3514



26.6120, 0.4087, 0.5137



0.6543, 0.4124, 0.5107

Inverse Universe

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



11.9231, 0.2278, 0.1823



15.5131, 0.2058, 0.1457



14.5156, 0.2720, 0.1982



7.3220, 0.2995, 0.3057



2.1943, 0.1525, 0.0614



0.0601, 0.1637, 0.0675

Previews

White Background



This preview shows how the Yxy color 36.4799, 0.3771, 0.4463 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 36.4799, 0.3771, 0.4463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

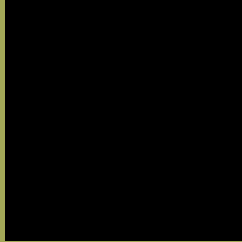
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.4799, 0.3771, 0.4463

Background



This preview shows how black text looks on a background with the Yxy color 36.4799, 0.3771, 0.4463.



This preview shows how white text looks on a background with the Yxy color 36.4799, 0.3771, 0.4463.

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

36.4799, 0.3771, 0.4463

Protanopia

36.4340, 0.3985, 0.4356

Deuteranopia

36.3230, 0.4210, 0.4120



Tritanopia

36.5072, 0.3145, 0.3123

Trichromacy



Original Color

36.4799, 0.3771, 0.4463

Protanomaly

36.4664, 0.3901, 0.4395

Deuteranomaly

36.3020, 0.4047, 0.4243

Tritanomaly

36.1691, 0.3395, 0.3610

Monochromacy



Original Color

36.4799, 0.3771, 0.4463

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.5266, 0.3371, 0.3729

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4799, 0.3771, 0.4463 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(163, 168, 87)` looks like.

```
.text, #text, p{  
    color:rgb(163, 168, 87)  
}
```

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(163, 168, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 168, 87) }
```

Border

The CSS property to change the border of an element to Yxy 36.4799, 0.3771, 0.4463 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(163, 168, 87) }
```

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

```
.border{ border-color:rgb(163, 168, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 168, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 168, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 168, 87);  
box-shadow:4px 4px 4px 4px rgb(163, 168,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 36.4799, 0.3771, 0.4463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 168, 87) }
```

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

```
.background{ background-color: rgb(163,  
168, 87) }
```

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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