

Converting Colors

$Y_{xy}(36.8521, 0.3929, 0.4783)$

Have a look what the booklet for
Yxy(36.8521, 0.3929, 0.4783)
contains.

Yxy(36.8729, 0.3931, 0.4781)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(36.8729, 0.3931, 0.4781)

Conversions

Conversions Part 1

Format	Color
Hex	A3AA3D
RGB	163, 170, 61
RGB Percent	64%, 67%, 24%
CMY	0.3609, 0.3333, 0.7608
CMYK	0.04, 0.00, 0.64, 0.33
HSL	64°, 47%, 45%
HSV	64°, 64%, 67%
XYZ	30.3174, 36.8729, 9.9335
YIQ	155.4810, 30.8170, -35.3830

Conversions

Conversions Part 2

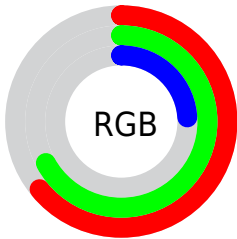
Format	Color
RYB	61, 170, 68
Decimal	10725949
CIELab	67.18, -16.91, 53.38
CIELCh	67, 55.997, 107.579
Yxy	36.8729, 0.3931, 0.4781
Android (android.graphics.Color)	4288916029 (0xFFA3AA3D)
YUV	155.4810, -46.5791, 6.5942
Hunter-Lab	60.7231, -17.1452, 32.8070

Details

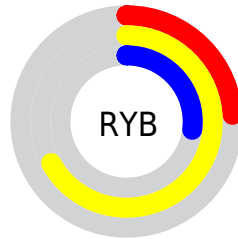
The Yxy color **36.8729, 0.3931, 0.4781** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.4704, 0.1962, 0.1295**, and the grayscale version is **33.2025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2810, 0.3810, 0.4502**, and **16.1450, 0.4051, 0.5165** is the 20% darker color. If you saturate the color by 10%, you get **36.6042, 0.4004, 0.4934**, and if you desaturate by 10%, it is **37.2041, 0.3835, 0.4591**.

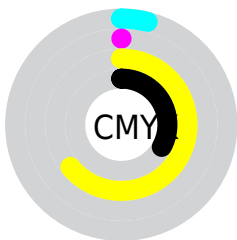
Distribution



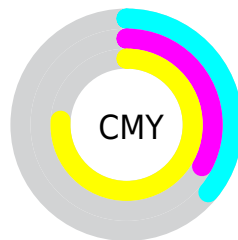
- Red (64%)
- Green (67%)
- Blue (24%)



- Red (24%)
- Yellow (67%)
- Blue (27%)



- Cyan (4%)
- Magenta (0%)
- Yellow (64%)
- Black (33%)



- Cyan (36%)
- Magenta (33%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.8729, 0.3931, 0.4781 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 36.8729, 0.3931, 0.4781 by changing the saturation by 10% instead.

36.8729, 0.3931,
0.4781

36.8729, 0.3931,
0.4781

332.7599, 0.3563,
0.4015

25.1091, 0.3999,
0.4963

70.3773, 0.3812,
0.4506

16.1584, 0.4066,
0.5185

92.8866, 0.3763,
0.4401

9.6363, 0.4120,
0.5455

119.7466, 0.3719,
0.4311

5.1585, 0.4166,
0.5834

151.3416, 0.3680,
0.4235

2.3405, 0.3945,
0.6055

188.0561, 0.3646,
0.4169

0.7950, 0.3013,
0.6987

230.2743, 0.3615,

0.0000, 0.0000,

0.4111

0.0000

278.3808, 0.3588,
0.4060

■ 36.8729, 0.3931,
0.4781

■ 36.8729, 0.3931,
0.4781

■ 36.6042, 0.4004,
0.4934

■ 37.2041, 0.3835,
0.4591

■ 36.3871, 0.4052,
0.5044

■ 37.5976, 0.3721,
0.4372

■ 36.2166, 0.4075,
0.5113

■ 38.0596, 0.3593,
0.4134

■ 36.1285, 0.4082,
0.5141

■ 38.5942, 0.3458,
0.3884

■ 39.2050, 0.3319,
0.3634

■ 39.8954, 0.3182,
0.3388

■ 40.6689, 0.3050,
0.3153

■ 41.5283, 0.2925,
0.2933

■ 42.4767, 0.2808,
0.2728

Harmonies

Analogous

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



36.8729, 0.4549, 0.4334



36.8729, 0.3931, 0.4781



36.8729, 0.3144, 0.4777

Triad

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



36.8729, 0.3931, 0.4781



36.8729, 0.1698, 0.2495



36.8729, 0.3787, 0.2603

Complementary

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



36.8729, 0.3931, 0.4781



7.4704, 0.1962, 0.1295

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.



36.8729, 0.2921, 0.2215



36.8729, 0.3931, 0.4781



36.8729, 0.1815, 0.2115

Square

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



36.8729, 0.3931, 0.4781



36.8729, 0.1886, 0.3218



36.8729, 0.2225, 0.2039



36.8729, 0.4520, 0.3136

Rectangle

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



36.8729, 0.3931, 0.4781



36.8729, 0.2627, 0.4412



36.8729, 0.2225, 0.2039



36.8729, 0.3495, 0.2454

Sweetspot

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



36.8746, 0.3931, 0.4781



70.5260, 0.3392, 0.3764



12.8335, 0.5091, 0.3368



15.6601, 0.3430, 0.3834



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



36.8746, 0.3931, 0.4781



66.2248, 0.4028, 0.4986



32.4093, 0.3405, 0.5096



8.7488, 0.3253, 0.3514



26.5818, 0.4083, 0.5140



0.6538, 0.4122, 0.5109

Inverse Universe

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



7.4704, 0.1962, 0.1295



8.6616, 0.1723, 0.0914



10.3019, 0.2537, 0.1555



7.3228, 0.2996, 0.3057



2.1966, 0.1526, 0.0614



0.0604, 0.1642, 0.0678

Previews

White Background



This preview shows how the Yxy color 36.8729, 0.3931, 0.4781 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 36.8729, 0.3931, 0.4781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

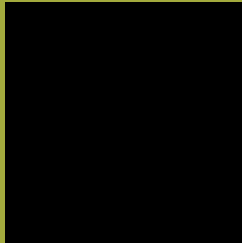
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.8729, 0.3931, 0.4781

Background



This preview shows how black text looks on a background with the Yxy color 36.8729, 0.3931, 0.4781.



This preview shows how white text looks on a background with the Yxy color 36.8729, 0.3931, 0.4781.

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

36.8729, 0.3931, 0.4781

Protanopia

36.8118, 0.4188, 0.4622

Deuteranopia

36.5325, 0.4439, 0.4344



Tritanopia

36.7735, 0.3155, 0.3110

Trichromacy



Original Color

36.8729, 0.3931, 0.4781

Protanomaly

36.7126, 0.4093, 0.4676

Deuteranomaly

36.2031, 0.4254, 0.4499

Tritanomaly

36.4064, 0.3477, 0.3741

Monochromacy



Original Color

36.8729, 0.3931, 0.4781

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.7912, 0.3465, 0.3887

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8729, 0.3931, 0.4781 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, 170, 61)` looks like.

```
.text, #text, p{  
    color:rgb(163, 170, 61)  
}
```

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, 170, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 170, 61) }
```

Border

The CSS property to change the border of an element to Yxy 36.8729, 0.3931, 0.4781 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, 170, 61) }
```

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

```
.border{ border-color:rgb(163, 170, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 170, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 170, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 170, 61);  
box-shadow:4px 4px 4px 4px rgb(163, 170,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8729, 0.3931, 0.4781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 170, 61) }
```

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

```
.background{ background-color: rgb(163,  
170, 61) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor