

Converting Colors

Yxy(37.9720, 0.3973, 0.4661)

Have a look what the booklet for
Yxy(37.9720, 0.3973, 0.4661)
contains.

Yxy(37.8247, 0.3972, 0.4663)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.8247, 0.3972, 0.4663)

Conversions

Conversions Part 1

Format	Color
Hex	ABAA44
RGB	171, 170, 68
RGB Percent	67%, 67%, 27%
CMY	0.3293, 0.3334, 0.7333
CMYK	0.00, 0.01, 0.60, 0.33
HSL	59°, 43%, 47%
HSV	59°, 60%, 67%
XYZ	32.2195, 37.8247, 11.0724
YIQ	158.6710, 33.3380, -31.5100

Conversions

Conversions Part 2

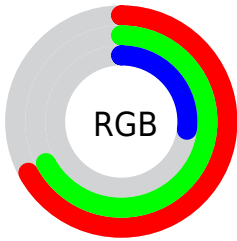
Format	Color
RYB	69, 171, 68
Decimal	11250244
CIELab	67.89, -12.97, 51.29
CIElCh	68, 52.903, 104.193
Yxy	37.8247, 0.3972, 0.4663
Android (android.graphics.Color)	4289440324 (0xFFABAA44)
YUV	158.6710, -44.7008, 10.8125
Hunter-Lab	61.5018, -14.1156, 32.3770

Details

The Yxy color **37.8247, 0.3972, 0.4663** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.4344, 0.1983, 0.1409**, and the grayscale version is **34.7130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7005, 0.3838, 0.4417**, and **16.6918, 0.4136, 0.5026** is the 20% darker color. If you saturate the color by 10%, you get **37.5819, 0.4068, 0.4817**, and if you desaturate by 10%, it is **38.1320, 0.3855, 0.4474**.

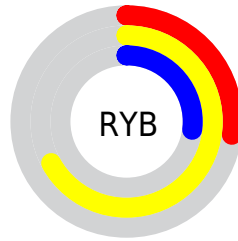
Distribution



Red (67%)

Green (67%)

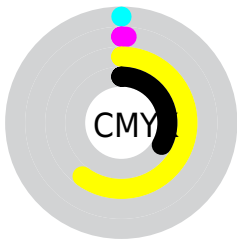
Blue (27%)



Red (27%)

Yellow (67%)

Blue (27%)

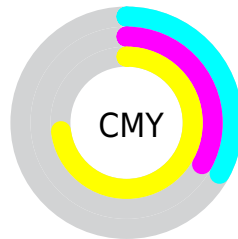


Cyan (0%)

Magenta (1%)

Yellow (60%)

Black (33%)



Cyan (33%)

Magenta (33%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.8247, 0.3972, 0.4663 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 37.8247, 0.3972, 0.4663 by changing the saturation by 10% instead.

37.8247, 0.3972,
0.4663

37.8247, 0.3972,
0.4663

336.8674, 0.3576,
0.3965

25.8467, 0.4051,
0.4828

71.8394, 0.3840,
0.4413

16.7090, 0.4136,
0.5029

94.6448, 0.3787,
0.4317

10.0272, 0.4215,
0.5269

121.8281, 0.3740,
0.4236

5.4170, 0.4344,
0.5656

153.7738, 0.3699,
0.4166

2.4939, 0.4183,
0.5817

190.8661, 0.3663,
0.4106

0.8736, 0.3703,
0.6297

233.4896, 0.3631,

0.0000, 0.0000,

0.4053

0.0000

282.0285, 0.3602,
0.4006

■ 37.8247, 0.3972,
0.4663

■ 37.8247, 0.3972,
0.4663

■ 37.5819, 0.4068,
0.4817

■ 38.1320, 0.3855,
0.4474

■ 37.3929, 0.4139,
0.4930

■ 38.5034, 0.3721,
0.4257

■ 37.2530, 0.4185,
0.5001

■ 38.9449, 0.3576,
0.4023

■ 37.1500, 0.4211,
0.5039

■ 39.4606, 0.3427,
0.3779

■ 40.0540, 0.3277,
0.3534

■ 40.7287, 0.3131,
0.3296

■ 41.4878, 0.2991,
0.3068

■ 42.3343, 0.2860,
0.2853

■ 43.2712, 0.2739,
0.2655

Harmonies

Analogous

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



37.8247, 0.4519, 0.4228



37.8247, 0.3972, 0.4663



37.8247, 0.3238, 0.4705

Triad

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



37.8247, 0.3972, 0.4663



37.8247, 0.1778, 0.2608



37.8247, 0.3657, 0.2591

Complementary

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



37.8247, 0.3972, 0.4663



8.4344, 0.1983, 0.1409

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.



37.8247, 0.2851, 0.2241



37.8247, 0.3972, 0.4663



37.8247, 0.1856, 0.2207

Square

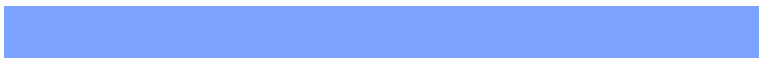
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



37.8247, 0.3972, 0.4663



37.8247, 0.1996, 0.3323



37.8247, 0.2218, 0.2100



37.8247, 0.4372, 0.3090

Rectangle

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



37.8247, 0.3972, 0.4663



37.8247, 0.2742, 0.4407



37.8247, 0.2218, 0.2100



37.8247, 0.3382, 0.2455

Sweetspot

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



37.8265, 0.3972, 0.4663



70.8272, 0.3398, 0.3732



13.2365, 0.4936, 0.3272



15.7315, 0.3440, 0.3801



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.



37.8265, 0.3972, 0.4663



67.1587, 0.4092, 0.4855



33.6413, 0.3466, 0.4955



9.3160, 0.3263, 0.3512



27.9957, 0.4211, 0.5039



0.7832, 0.4205, 0.5043

Inverse Universe

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



8.4344, 0.1983, 0.1409



9.9319, 0.1751, 0.1025



10.9152, 0.2497, 0.1616



7.7698, 0.2985, 0.3058



2.2498, 0.1502, 0.0608



0.0667, 0.1512, 0.0644

Previews

White Background



This preview shows how the Yxy color 37.8247, 0.3972, 0.4663 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 37.8247, 0.3972, 0.4663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

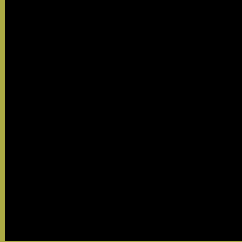
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.8247, 0.3972, 0.4663

Background



This preview shows how black text looks on a background with the Yxy color 37.8247, 0.3972, 0.4663.



This preview shows how white text looks on a background with the Yxy color 37.8247, 0.3972, 0.4663.

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

37.8247, 0.3972, 0.4663

Protanopia

37.8680, 0.4142, 0.4557

Deuteranopia

37.5610, 0.4398, 0.4301



Tritanopia

37.5986, 0.3222, 0.3114

Trichromacy



Original Color

37.8247, 0.3972, 0.4663

Protanomaly

37.6264, 0.4083, 0.4596

Deuteranomaly

37.6330, 0.4241, 0.4427

Tritanomaly

37.2627, 0.3530, 0.3702

Monochromacy



Original Color

37.8247, 0.3972, 0.4663

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.4873, 0.3461, 0.3842

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8247, 0.3972, 0.4663 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(171, 170, 68)` looks like.

```
.text, #text, p{  
    color:rgb(171, 170, 68)  
}
```

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(171, 170, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 170, 68) }
```

Border

The CSS property to change the border of an element to Yxy 37.8247, 0.3972, 0.4663 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(171, 170, 68) }
```

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

```
.border{ border-color:rgb(171, 170, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 170, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 170, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 170, 68);  
box-shadow:4px 4px 4px 4px rgb(171, 170,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8247, 0.3972, 0.4663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 170, 68) }
```

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

```
.background{ background-color: rgb(171,  
170, 68) }
```

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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