

Converting Colors

$Yxy(37.8171, 0.4130, 0.4949)$

Have a look what the booklet for
Yxy(37.8171, 0.4130, 0.4949)
contains.

Yxy(37.8880, 0.4132, 0.4951)	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(37.8880, 0.4132, 0.4951)

Conversions

Conversions Part 1

Format	Color
Hex	ABAB20
RGB	171, 171, 32
RGB Percent	67%, 67%, 13%
CMY	0.3294, 0.3294, 0.8742
CMYK	0.00, 0.00, 0.81, 0.33
HSL	60°, 68%, 40%
HSV	60°, 81%, 67%
XYZ	31.6205, 37.8880, 7.0174
YIQ	155.1540, 44.6190, -43.2290

Conversions

Conversions Part 2

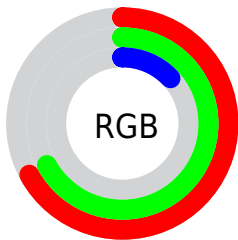
Format	Color
RYB	32, 171, 32
Decimal	11250464
CIELab	67.94, -15.35, 64.53
CIELCh	68, 66.334, 103.377
Yxy	37.8880, 0.4132, 0.4951
Android (android.graphics.Color)	4289440544 (0xFFABAB20)
YUV	155.1540, -60.7149, 13.8969
Hunter-Lab	61.5532, -16.0209, 36.3279

Details

The Yxy color **37.8880, 0.4132, 0.4951** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.2860, 0.1639, 0.0830**, and the grayscale version is **33.1143, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9710, 0.4002, 0.4667**, and **16.8385, 0.4137, 0.5097** is the 20% darker color. If you saturate the color by 10%, you get **37.8191, 0.4173, 0.5019**, and if you desaturate by 10%, it is **38.0087, 0.4066, 0.4842**.

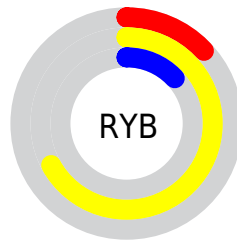
Distribution



Red (67%)

Green (67%)

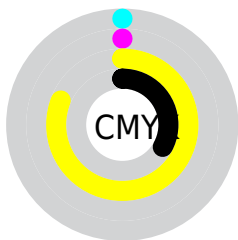
Blue (13%)



Red (13%)

Yellow (67%)

Blue (13%)

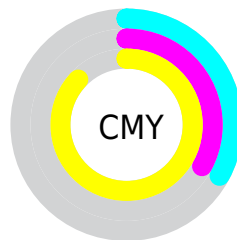


Cyan (0%)

Magenta (0%)

Yellow (81%)

Black (33%)



Cyan (33%)


Magenta (33%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8880, 0.4132, 0.4951 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 37.8880, 0.4132, 0.4951 by changing the saturation by 10% instead.

 37.8880, 0.4132,
0.4951


 37.8880, 0.4132,
0.4951


337.1393, 0.3692,
0.4133


 25.8958, 0.4202,
0.5126


 71.9364, 0.3998,
0.4670

 16.7457, 0.4262,
0.5325


 94.7614, 0.3939,
0.4558


 10.0533, 0.4349,
0.5616


 121.9662, 0.3886,
0.4462

 5.4343, 0.4245,
0.5755

 153.9350, 0.3838,
0.4378

 2.5043, 0.4053,
0.5947

 191.0523, 0.3796,
0.4305

 0.8788, 0.3439,
0.6561

 233.7025, 0.3757,

 0.0000, 0.0000,

0.4241

0.0000

282.2701, 0.3723,
0.4184

■ 37.8880, 0.4132,
0.4951

■ 37.8880, 0.4132,
0.4951

■ 37.8191, 0.4173,
0.5019

■ 38.0087, 0.4066,
0.4842

■ 37.7843, 0.4193,
0.5052

■ 38.1825, 0.3975,
0.4691

■ 38.4166, 0.3862,
0.4504

■ 38.7161, 0.3731,
0.4289

■ 39.0851, 0.3589,
0.4054

■ 39.5277, 0.3441,
0.3809

■ 40.0477, 0.3291,
0.3561

■ 40.6484, 0.3145,
0.3320

■ 41.3331, 0.3005,
0.3088

Harmonies

Analogous

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



37.8880, 0.4817, 0.4348



37.8880, 0.4132, 0.4951



37.8880, 0.3242, 0.5108

Triad

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



37.8880, 0.4132, 0.4951



37.8880, 0.1512, 0.2443



37.8880, 0.3749, 0.2427

Complementary

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



37.8880, 0.4132, 0.4951



4.2860, 0.1639, 0.0830

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.



37.8880, 0.2748, 0.2026



37.8880, 0.4132, 0.4951



37.8880, 0.1600, 0.1978

Square

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



37.8880, 0.4132, 0.4951



37.8880, 0.1757, 0.3333



37.8880, 0.2006, 0.1863



37.8880, 0.4666, 0.3000

Rectangle

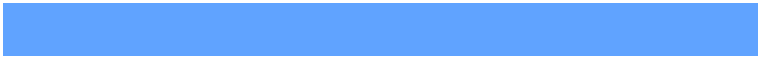
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.8880, 0.4132, 0.4951



37.8880, 0.2643, 0.4758



37.8880, 0.2006, 0.1863



37.8880, 0.3402, 0.2270

Sweetspot

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



37.8898, 0.4132, 0.4951



70.5168, 0.3488, 0.3887



9.8134, 0.5883, 0.3279



15.6641, 0.3540, 0.3972



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.



37.8898, 0.4132, 0.4951



67.6760, 0.4188, 0.5044



32.1685, 0.3467, 0.5435



9.3301, 0.3263, 0.3514



28.4803, 0.4193, 0.5052



0.7923, 0.4193, 0.5052

Inverse Universe

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



4.2860, 0.1639, 0.0830



5.4536, 0.1512, 0.0619



6.6426, 0.2217, 0.1129



7.7573, 0.2985, 0.3056



2.2167, 0.1500, 0.0600



0.0617, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 37.8880, 0.4132, 0.4951 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 37.8880, 0.4132, 0.4951 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 37.8880, 0.4132, 0.4951

Background



This preview shows how black text looks on a background with the Yxy color 37.8880, 0.4132, 0.4951.



This preview shows how white text looks on a background with the Yxy color 37.8880, 0.4132, 0.4951.

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

37.8880, 0.4132, 0.4951

Protanopia

37.8105, 0.4335, 0.4802

Deuteranopia

37.6770, 0.4612, 0.4519



Tritanopia

37.7199, 0.3232, 0.3115

Trichromacy



Original Color

37.8880, 0.4132, 0.4951

Protanomaly

37.9279, 0.4265, 0.4857

Deuteranomaly

37.5763, 0.4445, 0.4670

Tritanomaly

37.0398, 0.3661, 0.3885

Monochromacy



Original Color

37.8880, 0.4132, 0.4951

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.1926, 0.3593, 0.4061

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8880, 0.4132, 0.4951 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, 171, 32)` looks like.

```
.text, #text, p{  
    color:rgb(171, 171, 32)  
}
```

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, 171, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 171, 32) }
```

Border

The CSS property to change the border of an element to Yxy 37.8880, 0.4132, 0.4951 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, 171, 32) }
```

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

```
.border{ border-color:rgb(171, 171, 32) }
```

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

Here you see how a box with a 4 pixel rgb(171, 171, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 171, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 171, 32);  
box-shadow:4px 4px 4px 4px rgb(171, 171,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8880, 0.4132, 0.4951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 171, 32) }
```

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

```
.background{ background-color: rgb(171,  
171, 32) }
```

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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