

Converting Colors

$Y_{xy}(37.5771, 0.3943, 0.4847)$

Have a look what the booklet for
Yxy(37.5771, 0.3943, 0.4847)
contains.

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Color

Yxy(37.5771, 0.3943, 0.4847)

Conversions

Conversions Part 1

Format	Color
Hex	A3AC38
RGB	163, 172, 56
RGB Percent	64%, 67%, 22%
CMY	0.3608, 0.3255, 0.7805
CMYK	0.05, 0.00, 0.67, 0.33
HSL	65°, 51%, 45%
HSV	65°, 67%, 67%
XYZ	30.5687, 37.5771, 9.3807
YIQ	156.0850, 31.8720, -37.9840

Conversions

Conversions Part 2

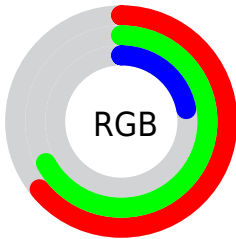
Format	Color
RYB	56, 172, 65
Decimal	10726456
CIELab	67.71, -18.24, 55.99
CIELCh	68, 58.887, 108.043
Yxy	37.5771, 0.3943, 0.4847
Android (android.graphics.Color)	4288916536 (0xFFA3AC38)
YUV	156.0850, -49.3419, 6.0645
Hunter-Lab	61.3002, -18.2623, 33.8370

Details

The Yxy color **37.5771, 0.3943, 0.4847** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.9294, 0.1911, 0.1200**, and the grayscale version is **33.4990, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.2579, 0.3828, 0.4566**, and **16.6211, 0.4025, 0.5186** is the 20% darker color. If you saturate the color by 10%, you get **37.2981, 0.4005, 0.4989**, and if you desaturate by 10%, it is **37.9188, 0.3857, 0.4666**.

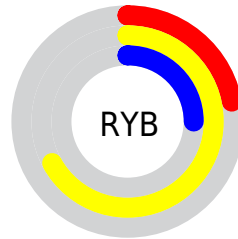
Distribution



Red (64%)

Green (67%)

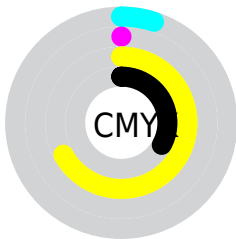
Blue (22%)



Red (22%)

Yellow (67%)

Blue (25%)

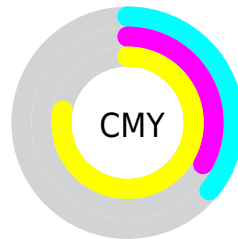


Cyan (5%)

Magenta (0%)

Yellow (67%)

Black (33%)



Cyan (36%)


Magenta (33%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5771, 0.3943, 0.4847 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 37.5771, 0.3943, 0.4847 by changing the saturation by 10% instead.


 37.5771, 0.3943,
0.4847


 37.5771, 0.3943,
0.4847

335.8023, 0.3577,
0.4052

 25.6546, 0.4007,
0.5034


 71.4595, 0.3827,
0.4563

 16.5654, 0.4067,
0.5259


 94.1882, 0.3778,
0.4454


 9.9252, 0.4113,
0.5535


 121.2877, 0.3734,
0.4361

 5.3494, 0.4119,
0.5881

 153.1426, 0.3695,
0.4282

 2.4537, 0.3886,
0.6114

 190.1370, 0.3661,
0.4213

 0.8533, 0.3000,
0.7000

 232.6556, 0.3630,

 0.0000, 0.0000,

0.4152

0.0000

281.0825, 0.3602,
0.4099

■ 37.5771, 0.3943,
0.4847

■ 37.5771, 0.3943,
0.4847

■ 37.2981, 0.4005,
0.4989

■ 37.9188, 0.3857,
0.4666

■ 37.0705, 0.4042,
0.5087

■ 38.3235, 0.3750,
0.4454

■ 36.8864, 0.4056,
0.5147

■ 38.7975, 0.3629,
0.4218

■ 36.8420, 0.4059,
0.5159

■ 39.3452, 0.3498,
0.3970

■ 39.9704, 0.3362,
0.3718

■ 40.6770, 0.3226,
0.3469

■ 41.4681, 0.3094,
0.3230

■ 42.3472, 0.2968,
0.3005

■ 43.3172, 0.2849,
0.2794

Harmonies

Analogous

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



37.5771, 0.4593, 0.4374



37.5771, 0.3943, 0.4847



37.5771, 0.3124, 0.4846

Triad

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



37.5771, 0.3943, 0.4847



37.5771, 0.1646, 0.2449



37.5771, 0.3829, 0.2583

Complementary

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



37.5771, 0.3943, 0.4847



6.9294, 0.1911, 0.1200

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.



37.5771, 0.2923, 0.2181



37.5771, 0.3943, 0.4847



37.5771, 0.1771, 0.2066

Square

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



37.5771, 0.3943, 0.4847



37.5771, 0.1832, 0.3196



37.5771, 0.2198, 0.1995



37.5771, 0.4591, 0.3134

Rectangle

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



37.5771, 0.3943, 0.4847



37.5771, 0.2589, 0.4457



37.5771, 0.2198, 0.1995



37.5771, 0.3523, 0.2428

Sweetspot

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



37.5788, 0.3943, 0.4847



72.1606, 0.3401, 0.3791



12.6920, 0.5227, 0.3394



15.6146, 0.3438, 0.3860



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.



37.5788, 0.3943, 0.4847



67.4400, 0.4027, 0.5043



32.8735, 0.3389, 0.5196



9.2981, 0.3251, 0.3515



27.4246, 0.4060, 0.5158



0.7721, 0.4103, 0.5124

Inverse Universe

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



6.9294, 0.1911, 0.1200



7.9679, 0.1679, 0.0834



9.9235, 0.2521, 0.1485



7.7859, 0.2997, 0.3056



2.2925, 0.1531, 0.0617



0.0732, 0.1661, 0.0689

Previews

White Background



This preview shows how the Yxy color 37.5771, 0.3943, 0.4847 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 37.5771, 0.3943, 0.4847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

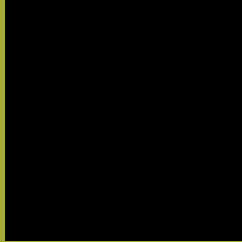
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.5771, 0.3943, 0.4847

Background



This preview shows how black text looks on a background with the Yxy color 37.5771, 0.3943, 0.4847.



This preview shows how white text looks on a background with the Yxy color 37.5771, 0.3943, 0.4847.

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

37.5771, 0.3943, 0.4847

Protanopia

37.3670, 0.4227, 0.4661

Deuteranopia

37.4300, 0.4472, 0.4396



Tritanopia

37.5055, 0.3144, 0.3125

Trichromacy



Original Color

37.5771, 0.3943, 0.4847

Protanomaly

37.5112, 0.4113, 0.4734

Deuteranomaly

37.1036, 0.4287, 0.4552

Tritanomaly

37.0680, 0.3490, 0.3798

Monochromacy



Original Color

37.5771, 0.3943, 0.4847

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.5677, 0.3478, 0.3928

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5771, 0.3943, 0.4847 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, 172, 56)` looks like.

```
.text, #text, p{  
    color:rgb(163, 172, 56)  
}
```

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, 172, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 172, 56) }
```

Border

The CSS property to change the border of an element to Yxy 37.5771, 0.3943, 0.4847 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, 172, 56) }
```

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

```
.border{ border-color:rgb(163, 172, 56) }
```

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

Here you see how a box with a 4 pixel rgb(163, 172, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 172, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 172, 56);  
box-shadow:4px 4px 4px 4px rgb(163, 172,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5771, 0.3943, 0.4847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 172, 56) }
```

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

```
.background{ background-color: rgb(163,  
172, 56) }
```

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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