

Converting Colors

$Yxy(36.9771, 0.3943, 0.5069)$

Have a look what the booklet for
Yxy(36.9771, 0.3943, 0.5069)
contains.

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Color

Yxy(36.9771, 0.3943, 0.5069)

Conversions

Conversions Part 1

Format	Color
Hex	9BAD23
RGB	155, 173, 35
RGB Percent	61%, 68%, 14%
CMY	0.3922, 0.3215, 0.8629
CMYK	0.10, 0.00, 0.80, 0.32
HSL	68°, 66%, 41%
HSV	68°, 80%, 68%
XYZ	28.7632, 36.9771, 7.2072
YIQ	151.8860, 33.5700, -46.7340

Conversions

Conversions Part 2

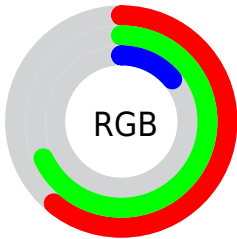
Format	Color
RYB	35, 173, 53
Decimal	10202403
CIELab	67.26, -23.19, 62.65
CIElCh	67, 66.803, 110.313
Yxy	36.9771, 0.3943, 0.5069
Android (android.graphics.Color)	4288392483 (0xFF9BAD23)
YUV	151.8860, -57.6248, 2.7310
Hunter-Lab	60.8088, -21.9830, 35.5390

Details

The Yxy color **36.9771, 0.3943, 0.5069** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.9726, 0.1761, 0.0911**, and the grayscale version is **31.5885, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.4233, 0.3849, 0.4742**, and **16.3841, 0.3901, 0.5285** is the 20% darker color. If you saturate the color by 10%, you get **36.6790, 0.3965, 0.5168**, and if you desaturate by 10%, it is **37.3334, 0.3896, 0.4926**.

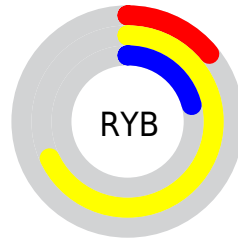
Distribution



Red (61%)

Green (68%)

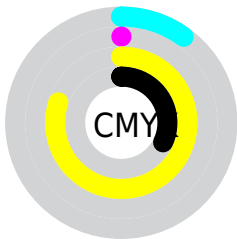
Blue (14%)



Red (14%)

Yellow (68%)

Blue (21%)

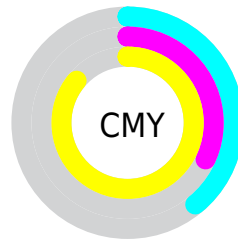


Cyan (10%)

Magenta (0%)

Yellow (80%)

Black (32%)



Cyan (39%)

Magenta (32%)

Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9771, 0.3943, 0.5069 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 36.9771, 0.3943, 0.5069 by changing the saturation by 10% instead.


 36.9771, 0.3943,
0.5069


 36.9771, 0.3943,
0.5069


333.2114, 0.3600,
0.4163


 25.1898, 0.3989,
0.5276


 70.5376, 0.3844,
0.4748


 16.2185, 0.4018,
0.5519


 93.0795, 0.3798,
0.4624


 9.6789, 0.4057,
0.5875


 119.9750, 0.3756,
0.4518

 5.1866, 0.3895,
0.6105

 151.6086, 0.3718,
0.4427

 2.3571, 0.3589,
0.6411

 188.3647, 0.3684,
0.4348

 0.8037, 0.1975,
0.8025

 230.6276, 0.3653,

 0.0000, 0.0000,

0.4278

0.0000

278.7816, 0.3625,
0.4217

■ 36.9771, 0.3943,
0.5069

■ 36.9771, 0.3943,
0.5069

■ 36.6790, 0.3965,
0.5168

■ 37.3334, 0.3896,
0.4926

■ 36.4201, 0.3966,
0.5231

■ 37.7494, 0.3824,
0.4743

■ 36.4150, 0.3966,
0.5233

■ 38.2324, 0.3732,
0.4527

■ 38.7873, 0.3623,
0.4288

■ 39.4187, 0.3503,
0.4036

■ 40.1307, 0.3377,
0.3780

■ 40.9269, 0.3250,
0.3528

■ 41.8109, 0.3125,
0.3285

■ 42.7861, 0.3005,
0.3057

Harmonies

Analogous

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



36.9771, 0.4706, 0.4514



36.9771, 0.3943, 0.5069



36.9771, 0.3025, 0.5061

Triad

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



36.9771, 0.3943, 0.5069



36.9771, 0.1485, 0.2284



36.9771, 0.3998, 0.2538

Complementary

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



36.9771, 0.3943, 0.5069



4.9726, 0.1761, 0.0911

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.



36.9771, 0.2961, 0.2085



36.9771, 0.3943, 0.5069



36.9771, 0.1648, 0.1907

Square

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



36.9771, 0.3943, 0.5069



36.9771, 0.1649, 0.3086



36.9771, 0.2134, 0.1861



36.9771, 0.4840, 0.3143

Rectangle

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



36.9771, 0.3943, 0.5069



36.9771, 0.2439, 0.4575



36.9771, 0.2134, 0.1861



36.9771, 0.3649, 0.2365

Sweetspot

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



36.9788, 0.3943, 0.5069



71.2585, 0.3435, 0.3898



11.3788, 0.5691, 0.3459



15.3920, 0.3479, 0.3987



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.



36.9788, 0.3943, 0.5069



65.3214, 0.3965, 0.5216



32.0793, 0.3315, 0.5521



9.2764, 0.3243, 0.3515



26.7676, 0.3969, 0.5231



0.7591, 0.4041, 0.5173

Inverse Universe

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



4.9726, 0.1761, 0.0911



5.9932, 0.1570, 0.0654



8.2158, 0.2469, 0.1276



7.8055, 0.3005, 0.3057



2.3614, 0.1558, 0.0632



0.0810, 0.1764, 0.0746

Previews

White Background



This preview shows how the Yxy color 36.9771, 0.3943, 0.5069 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 36.9771, 0.3943, 0.5069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

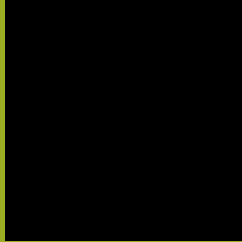
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.9771, 0.3943, 0.5069

Background



This preview shows how black text looks on a background with the Yxy color 36.9771, 0.3943, 0.5069.



This preview shows how white text looks on a background with the Yxy color 36.9771, 0.3943, 0.5069.

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

36.9771, 0.3943, 0.5069

Protanopia

36.8511, 0.4329, 0.4788

Deuteranopia

36.6037, 0.4587, 0.4495



Tritanopia

36.8706, 0.3079, 0.3108

Trichromacy



Original Color

36.9771, 0.3943, 0.5069

Protanomaly

36.6372, 0.4184, 0.4891

Deuteranomaly

36.5656, 0.4349, 0.4703

Tritanomaly

36.1269, 0.3482, 0.3915

Monochromacy



Original Color

36.9771, 0.3943, 0.5069

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

33.0180, 0.3522, 0.4085

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9771, 0.3943, 0.5069 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(155, 173, 35)` looks like.

```
.text, #text, p{  
    color:rgb(155, 173, 35)  
}
```

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(155, 173, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 173, 35) }
```

Border

The CSS property to change the border of an element to Yxy 36.9771, 0.3943, 0.5069 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(155, 173, 35) }
```

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

```
.border{ border-color:rgb(155, 173, 35) }
```

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

Here you see how a box with a 4 pixel rgb(155, 173, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 173, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 173, 35);  
box-shadow:4px 4px 4px 4px rgb(155, 173,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9771, 0.3943, 0.5069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 173, 35) }
```

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

```
.background{ background-color: rgb(155,  
173, 35) }
```

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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