

Converting Colors

$Yxy(37.7687, 0.3832, 0.5158)$

Have a look what the booklet for
Yxy(37.7687, 0.3832, 0.5158)
contains.

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Color

Yxy(37.7687, 0.3832, 0.5158)

Conversions

Conversions Part 1

Format	Color
Hex	93B123
RGB	147, 177, 35
RGB Percent	58%, 69%, 14%
CMY	0.4235, 0.3059, 0.8630
CMYK	0.17, 0.00, 0.80, 0.31
HSL	73°, 67%, 42%
HSV	73°, 80%, 69%
XYZ	28.0593, 37.7687, 7.3956
YIQ	151.8420, 27.7020, -50.5220

Conversions

Conversions Part 2

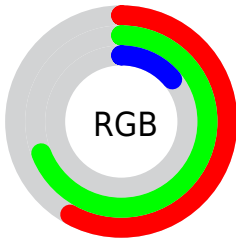
Format	Color
RYB	35, 177, 65
Decimal	9679139
CIELab	67.85, -28.49, 62.97
CIElCh	68, 69.114, 114.348
Yxy	37.7687, 0.3832, 0.5158
Android (android.graphics.Color)	4287869219 (0xFF93B123)
YUV	151.8420, -57.6031, -4.2464
Hunter-Lab	61.4562, -26.0502, 35.8845

Details

The Yxy color **37.7687, 0.3832, 0.5158** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **5.4936, 0.1837, 0.0942**, and the grayscale version is **31.5708, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9055, 0.3754, 0.4819**, and **16.6906, 0.3758, 0.5398** is the 20% darker color. If you saturate the color by 10%, you get **37.3508, 0.3838, 0.5270**, and if you desaturate by 10%, it is **38.2542, 0.3800, 0.5000**.

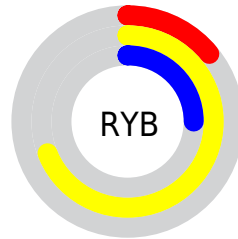
Distribution



Red (58%)

Green (69%)

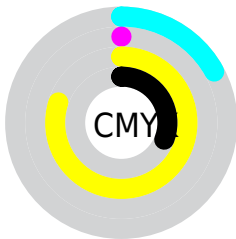
Blue (14%)



Red (14%)

Yellow (69%)

Blue (25%)

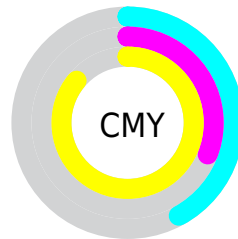


Cyan (17%)

Magenta (0%)

Yellow (80%)

Black (31%)



Cyan (42%)


Magenta (31%)

Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7687, 0.3832, 0.5158 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 37.7687, 0.3832, 0.5158 by changing the saturation by 10% instead.

 37.7687, 0.3832,
0.5158


 37.7687, 0.3832,
0.5158


336.6267, 0.3551,
0.4197


 25.8032, 0.3861,
0.5382


 71.7535, 0.3757,
0.4815


 16.6765, 0.3868,
0.5649

 94.5416, 0.3720,
0.4683


 10.0041, 0.3871,
0.6033


 121.7060, 0.3685,
0.4570

 5.4017, 0.3679,
0.6321

 153.6311, 0.3653,
0.4474

 2.4848, 0.3312,
0.6688

 190.7014, 0.3624,
0.4391

 0.8690, 0.1305,
0.8695

 233.3011, 0.3597,

 0.0000, 0.0000,

0.4318

0.0000

281.8148, 0.3573,
0.4254

■ 37.7687, 0.3832,
0.5158

■ 37.7687, 0.3832,
0.5158

■ 37.3508, 0.3838,
0.5270

■ 38.2542, 0.3800,
0.5000

■ 36.9894, 0.3826,
0.5344

■ 38.8094, 0.3744,
0.4802

■ 39.4419, 0.3667,
0.4573

■ 40.1572, 0.3573,
0.4322

■ 40.9601, 0.3468,
0.4060

■ 41.8549, 0.3356,
0.3797

■ 42.8458, 0.3242,
0.3541

■ 43.9366, 0.3130,
0.3296

■ 45.1309, 0.3022,
0.3067

Harmonies

Analogous

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



37.7687, 0.4649, 0.4625



37.7687, 0.3832, 0.5158



37.7687, 0.2890, 0.5047

Triad

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



37.7687, 0.3832, 0.5158



37.7687, 0.1455, 0.2183



37.7687, 0.4160, 0.2595

Complementary

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



37.7687, 0.3832, 0.5158



5.4936, 0.1837, 0.0942

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.



37.7687, 0.3091, 0.2109



37.7687, 0.3832, 0.5158



37.7687, 0.1663, 0.1853

Square

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



37.7687, 0.3832, 0.5158



37.7687, 0.1573, 0.2938



37.7687, 0.2204, 0.1847



37.7687, 0.4960, 0.3223

Rectangle

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



37.7687, 0.3832, 0.5158



37.7687, 0.2309, 0.4473



37.7687, 0.2204, 0.1847



37.7687, 0.3807, 0.2413

Sweetspot

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



37.7704, 0.3832, 0.5158



74.2741, 0.3403, 0.3906



13.0618, 0.5568, 0.3595



15.9767, 0.3442, 0.3997



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



37.7704, 0.3832, 0.5158



66.4026, 0.3828, 0.5325



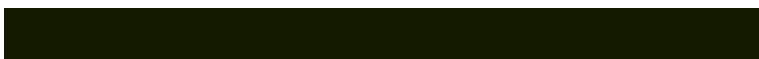
33.1669, 0.3227, 0.5595



9.8143, 0.3232, 0.3517



26.8261, 0.3830, 0.5341



0.8668, 0.3937, 0.5256

Inverse Universe

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



5.4936, 0.1837, 0.0942



6.7161, 0.1632, 0.0688



9.4722, 0.2619, 0.1346



8.3137, 0.3017, 0.3057



2.6117, 0.1618, 0.0665



0.1071, 0.1894, 0.0817

Previews

White Background



This preview shows how the Yxy color 37.7687, 0.3832, 0.5158 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 37.7687, 0.3832, 0.5158 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 37.7687, 0.3832, 0.5158

Background



This preview shows how black text looks on a background with the Yxy color 37.7687, 0.3832, 0.5158.



This preview shows how white text looks on a background with the Yxy color 37.7687, 0.3832, 0.5158.

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

37.7687, 0.3832, 0.5158

Protanopia

37.4537, 0.4342, 0.4788

Deuteranopia

37.5766, 0.4575, 0.4491



Tritanopia

37.7017, 0.2981, 0.3106

Trichromacy



Original Color

37.7687, 0.3832, 0.5158

Protanomaly

37.2564, 0.4158, 0.4921

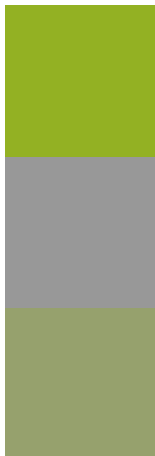
Deuteranomaly

37.0324, 0.4304, 0.4730

Tritanomaly

36.9502, 0.3375, 0.3939

Monochromacy



Original Color

37.7687, 0.3832, 0.5158

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

33.0779, 0.3487, 0.4107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7687, 0.3832, 0.5158 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(147, 177, 35)` looks like.

```
.text, #text, p{  
    color:rgb(147, 177, 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(147, 177, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 177, 35) }
```

Border

The CSS property to change the border of an element to Yxy 37.7687, 0.3832, 0.5158 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(147, 177, 35) }
```

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

```
.border{ border-color:rgb(147, 177, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 177, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 177, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 177, 35);  
box-shadow:4px 4px 4px 4px rgb(147, 177,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7687, 0.3832, 0.5158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 177, 35) }
```

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

```
.background{ background-color: rgb(147,  
177, 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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