

Converting Colors

Yxy(37.5808, 0.3243, 0.4551)

Have a look what the booklet for
Yxy(37.5808, 0.3243, 0.4551)
contains.

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Color

Yxy(37.3907, 0.3242, 0.4551)

Conversions

Conversions Part 1

Format	Color
Hex	7BB365
RGB	123, 179, 101
RGB Percent	48%, 70%, 40%
CMY	0.5177, 0.2980, 0.6038
CMYK	0.31, 0.00, 0.44, 0.30
HSL	103°, 34%, 55%
HSV	103°, 44%, 70%
XYZ	26.6360, 37.3907, 18.1326
YIQ	153.3640, -8.3380, -36.1300

Conversions

Conversions Part 2

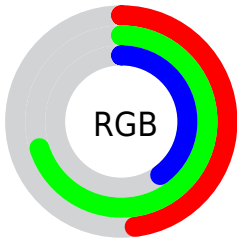
Format	Color
RYB	101, 179, 157
Decimal	8106853
CIELab	67.57, -33.01, 34.05
CIELCh	68, 47.425, 134.113
Yxy	37.3907, 0.3242, 0.4551
Android (android.graphics.Color)	4286296933 (0xFF7BB365)
YUV	153.3640, -25.8155, -26.6292
Hunter-Lab	61.1479, -29.2543, 25.2219

Details

The Yxy color **37.3907, 0.3242, 0.4551** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **19.7425, 0.2919, 0.2157**, and the grayscale version is **32.1394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.0637, 0.3234, 0.4289**, and **16.5092, 0.3230, 0.4994** is the 20% darker color. If you saturate the color by 10%, you get **36.1917, 0.3250, 0.4874**, and if you desaturate by 10%, it is **38.7939, 0.3224, 0.4229**.

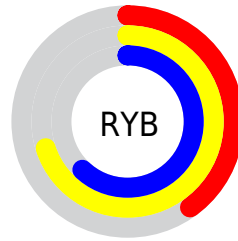
Distribution



Red (48%)

Green (70%)

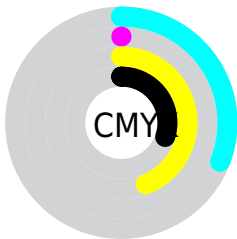
Blue (40%)



Red (40%)

Yellow (70%)

Blue (62%)

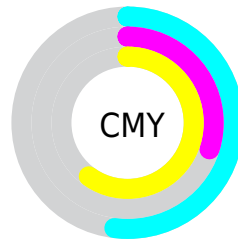


Cyan (31%)

Magenta (0%)

Yellow (44%)

Black (30%)



Cyan (52%)


Magenta (30%)

Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.3907, 0.3242, 0.4551 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 37.3907, 0.3242, 0.4551 by changing the saturation by 10% instead.


 37.3907, 0.3242,
0.4551


 37.3907, 0.3242,
0.4551


334.9990, 0.3208,
0.3864


 25.5101, 0.3240,
0.4740


 71.1733, 0.3237,
0.4288

 16.4575, 0.3228,
0.4992

 93.8441, 0.3232,
0.4193

 9.8485, 0.3196,
0.5341


 120.8804, 0.3228,
0.4115

 5.2986, 0.3112,
0.5848

 152.6667, 0.3223,
0.4049

 2.4235, 0.3041,
0.6959

189.5873, 0.3219,
0.3992

 0.8379, 0.0000,
1.0000

232.0266, 0.3215,

 0.0000, 0.0000,

0.3944

0.0000

280.3690, 0.3211,
0.3901

■ 37.3907, 0.3242,
0.4551

■ 37.3907, 0.3242,
0.4551

■ 36.1917, 0.3250,
0.4874

■ 38.7939, 0.3224,
0.4229

■ 35.1824, 0.3246,
0.5183

■ 40.4058, 0.3199,
0.3922

■ 34.3536, 0.3229,
0.5456


■ 42.2363, 0.3170,
0.3636


■ 33.6933, 0.3198,
0.5675

■ 44.2937, 0.3139,
0.3376

■ 33.1878, 0.3155,
0.5828

■ 46.5854, 0.3106,
0.3143

 32.9307, 0.3127,
0.5899

 49.1187, 0.3074,
0.2937

 51.9007, 0.3043,
0.2754

 54.9379, 0.3013,
0.2594

 57.7684, 0.3036,
0.2517

Harmonies

Analogous

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



37.3907, 0.3908, 0.4534



37.3907, 0.3242, 0.4551



37.3907, 0.2581, 0.4076

Triad

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



37.3907, 0.3242, 0.4551



37.3907, 0.1963, 0.2306



37.3907, 0.4246, 0.3115

Complementary

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



37.3907, 0.3242, 0.4551



19.7425, 0.2919, 0.2157

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.



37.3907, 0.3606, 0.2653



37.3907, 0.3242, 0.4551



37.3907, 0.2299, 0.2200

Square

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



37.3907, 0.3242, 0.4551



37.3907, 0.1893, 0.2683



37.3907, 0.2880, 0.2329



37.3907, 0.4540, 0.3643

Rectangle

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



37.3907, 0.3242, 0.4551



37.3907, 0.2232, 0.3583



37.3907, 0.2880, 0.2329



37.3907, 0.4060, 0.2950

Sweetspot

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



37.3923, 0.3242, 0.4551



75.7567, 0.3169, 0.3627



34.6094, 0.3887, 0.4079



16.6165, 0.3176, 0.3687



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



37.3923, 0.3242, 0.4551



64.9487, 0.3250, 0.4853



36.3176, 0.2951, 0.4329



9.6020, 0.3157, 0.3522



23.2974, 0.3134, 0.5893



0.7631, 0.3358, 0.5716

Inverse Universe

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



19.7425, 0.2919, 0.2157



29.2998, 0.2857, 0.1919



21.5105, 0.3380, 0.2441



8.5242, 0.3094, 0.3062



5.6110, 0.2517, 0.1160



0.2041, 0.2719, 0.1272

Previews

White Background



This preview shows how the Yxy color 37.3907, 0.3242, 0.4551 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 37.3907, 0.3242, 0.4551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

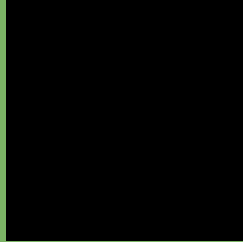
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.3907, 0.3242, 0.4551

Background



This preview shows how black text looks on a background with the Yxy color 37.3907, 0.3242, 0.4551.



This preview shows how white text looks on a background with the Yxy color 37.3907, 0.3242, 0.4551.

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

37.3907, 0.3242, 0.4551

Protanopia

37.0804, 0.3908, 0.4241

Deuteranopia

37.0249, 0.4030, 0.3960



Tritanopia

37.4867, 0.2747, 0.3098

Trichromacy



Original Color

37.3907, 0.3242, 0.4551

Protanomaly

36.6099, 0.3647, 0.4358

Deuteranomaly

36.4558, 0.3722, 0.4171

Tritanomaly

37.0926, 0.2933, 0.3601

Monochromacy



Original Color

37.3907, 0.3242, 0.4551

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

33.3127, 0.3182, 0.3735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3907, 0.3242, 0.4551 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(123, 179, 101)` looks like.

```
.text, #text, p{  
    color:rgb(123, 179, 101)  
}
```

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(123, 179, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 179, 101) }
```

Border

The CSS property to change the border of an element to Yxy 37.3907, 0.3242, 0.4551 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(123, 179, 101) }
```

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

```
.border{ border-color:rgb(123, 179, 101) }
```

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

Here you see how a box with a 4 pixel rgb(123, 179, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 179, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 179, 101);  
box-shadow:4px 4px 4px 4px rgb(123, 179,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3907, 0.3242, 0.4551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 179, 101) }
```

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

```
.background{ background-color: rgb(123,  
179, 101) }
```

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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