

Converting Colors

$Yxy(37.2557, 0.3331, 0.4759)$

Have a look what the booklet for
Yxy(37.2557, 0.3331, 0.4759)
contains.

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Color

Yxy(37.1557, 0.3330, 0.4749)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 7BB358 |
| RGB | 123, 179, 88 |
| RGB Percent | 48%, 70%, 35% |
| CMY | 0.5175, 0.2980, 0.6549 |
| CMYK | 0.31, 0.00, 0.51, 0.30 |
| HSL | 97°, 37%, 52% |
| HSV | 97°, 51%, 70% |
| XYZ | 26.0536, 37.1557, 15.0297 |
| YIQ | 151.8820, -4.1650, -40.1730 |

Conversions

Conversions Part 2

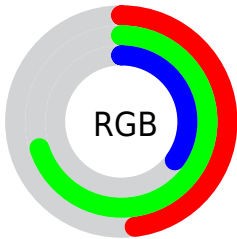
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 88, 179, 144 |
| Decimal | 8106840 |
| CIELab | 67.39, -34.66, 40.42 |
| CIElCh | 67, 53.244, 130.611 |
| Yxy | 37.1557, 0.3330, 0.4749 |
| Android (android.graphics.Color) | 4286296920 (0xFF7BB358) |
| YUV | 151.8820, -31.4938, -25.3295 |
| Hunter-Lab | 60.9555, -30.3776, 28.0498 |

Details

The Yxy color **37.1557, 0.3330, 0.4749** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **16.1587, 0.2758, 0.1928**, and the grayscale version is **31.4893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7751, 0.3315, 0.4444**, and **16.3637, 0.3319, 0.5254** is the 20% darker color. If you saturate the color by 10%, you get **36.1292, 0.3341, 0.5048**, and if you desaturate by 10%, it is **38.3495, 0.3305, 0.4438**.

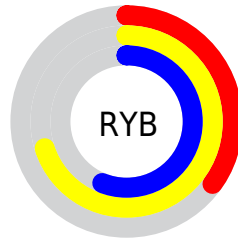
Distribution



Red (48%)

Green (70%)

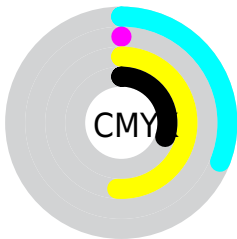
Blue (35%)



Red (35%)

Yellow (70%)

Blue (56%)

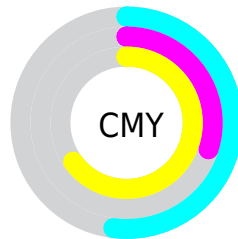


Cyan (31%)

Magenta (0%)

Yellow (51%)

Black (30%)



Cyan (52%)


Magenta (30%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.1557, 0.3330, 0.4749 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 37.1557, 0.3330, 0.4749 by changing the saturation by 10% instead.


 37.1557, 0.3330,
0.4749


 37.1557, 0.3330,
0.4749


333.9841, 0.3260,
0.3955


 25.3281, 0.3331,
0.4965


 70.8122, 0.3315,
0.4447

 16.3216, 0.3321,
0.5249


 93.4098, 0.3306,
0.4337

 9.7520, 0.3282,
0.5635


 120.3663, 0.3297,
0.4246

 5.2349, 0.3202,
0.6231

 152.0659, 0.3289,
0.4169

 2.3857, 0.2938,
0.7062

188.8931, 0.3281,
0.4104

 0.8185, 0.0000,
1.0000

231.2323, 0.3273,

 0.0000, 0.0000,

0.4047

0.0000

279.4678, 0.3266,
0.3998

■ 37.1557, 0.3330,
0.4749

■ 37.1557, 0.3330,
0.4749

■ 36.1292, 0.3341,
0.5048

■ 38.3495, 0.3305,
0.4438

■ 35.2568, 0.3336,
0.5319

■ 39.7136, 0.3269,
0.4130

■ 34.5307, 0.3313,
0.5545

■ 41.2568, 0.3226,
0.3836

■ 33.9403, 0.3272,
0.5713

■ 42.9857, 0.3179,
0.3561

■ 33.5016, 0.3226,
0.5821

■ 44.9069, 0.3131,
0.3310

■ 47.0263, 0.3083,
0.3083

■ 49.3496, 0.3036,
0.2881

■ 51.8826, 0.2992,
0.2701

■ 54.6303, 0.2949,
0.2542

Harmonies

Analogous

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



37.1557, 0.4060, 0.4641



37.1557, 0.3330, 0.4749



37.1557, 0.2586, 0.4274

Triad

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



37.1557, 0.3330, 0.4749



37.1557, 0.1819, 0.2226



37.1557, 0.4317, 0.3021

Complementary

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



37.1557, 0.3330, 0.4749



16.1587, 0.2758, 0.1928

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.



37.1557, 0.3563, 0.2532



37.1557, 0.3330, 0.4749



37.1557, 0.2150, 0.2086

Square

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



37.1557, 0.3330, 0.4749



37.1557, 0.1774, 0.2670



37.1557, 0.2758, 0.2202



37.1557, 0.4699, 0.3591

Rectangle

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



37.1557, 0.3330, 0.4749



37.1557, 0.2185, 0.3718



37.1557, 0.2758, 0.2202



37.1557, 0.4093, 0.2845

Sweetspot

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



37.1573, 0.3330, 0.4749



75.5803, 0.3200, 0.3679



29.8120, 0.4107, 0.4066



16.6026, 0.3210, 0.3737



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.



37.1573, 0.3330, 0.4749



64.5083, 0.3342, 0.5082



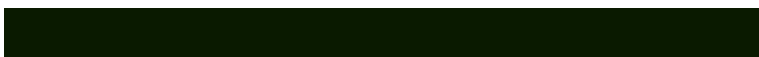
35.1785, 0.2997, 0.4726



9.6443, 0.3172, 0.3521



23.7096, 0.3234, 0.5814



0.7802, 0.3471, 0.5626

Inverse Universe

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



16.1587, 0.2758, 0.1928



22.6371, 0.2647, 0.1640



19.4606, 0.3296, 0.2187



8.4801, 0.3078, 0.3061



4.6841, 0.2277, 0.1028



0.1797, 0.2541, 0.1174

Previews

White Background



This preview shows how the Yxy color 37.1557, 0.3330, 0.4749 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 37.1557, 0.3330, 0.4749 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

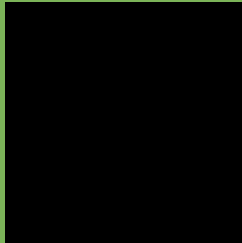
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.1557, 0.3330, 0.4749

Background



This preview shows how black text looks on a background with the Yxy color 37.1557, 0.3330, 0.4749.



This preview shows how white text looks on a background with the Yxy color 37.1557, 0.3330, 0.4749.

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

37.1557, 0.3330, 0.4749

Protanopia

36.9992, 0.4014, 0.4382

Deuteranopia

36.7272, 0.4167, 0.4086



Tritanopia

37.1566, 0.2760, 0.3098

Trichromacy



Original Color

37.1557, 0.3330, 0.4749

Protanomaly

36.5054, 0.3750, 0.4514

Deuteranomaly

35.9816, 0.3839, 0.4316

Tritanomaly

37.0118, 0.2980, 0.3681

Monochromacy



Original Color

37.1557, 0.3330, 0.4749

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

33.0884, 0.3216, 0.3819

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1557, 0.3330, 0.4749 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, 88)` looks like.

```
.text, #text, p{  
    color:rgb(123, 179, 88)  
}
```

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, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 179, 88) }
```

Border

The CSS property to change the border of an element to Yxy 37.1557, 0.3330, 0.4749 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, 88) }
```

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

```
.border{ border-color:rgb(123, 179, 88) }
```

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, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 179, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 179, 88);  
box-shadow:4px 4px 4px 4px rgb(123, 179,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1557, 0.3330, 0.4749 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, 88) }
```

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

```
.background{ background-color: rgb(123,  
179, 88) }
```

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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