

Converting Colors

$Yxy(37.3114, 0.3253, 0.4852)$

Have a look what the booklet for
Yxy(37.3114, 0.3253, 0.4852)
contains.

Yxy(37.2143, 0.3258, 0.4855)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(37.2143, 0.3258, 0.4855)

Conversions

Conversions Part 1

Format	Color
Hex	71B555
RGB	113, 181, 85
RGB Percent	44%, 71%, 33%
CMY	0.5569, 0.2902, 0.6666
CMYK	0.38, 0.00, 0.53, 0.29
HSL	103°, 39%, 52%
HSV	103°, 53%, 71%
XYZ	24.9731, 37.2143, 14.4641
YIQ	149.7240, -9.7120, -44.2720

Conversions

Conversions Part 2

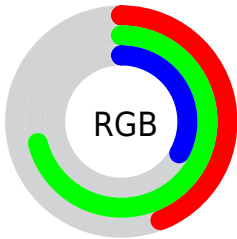
Format	Color
RYB	85, 181, 153
Decimal	7451989
CIELab	67.44, -39.40, 41.81
CIElCh	67, 57.449, 133.301
Yxy	37.2143, 0.3258, 0.4855
Android (android.graphics.Color)	4285642069 (0xFF71B555)
YUV	149.7240, -31.9089, -32.2069
Hunter-Lab	61.0035, -33.6835, 28.6446

Details

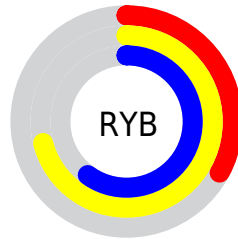
The Yxy color **37.2143, 0.3258, 0.4855** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **16.6114, 0.2844, 0.1910**, and the grayscale version is **30.5173, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.6993, 0.3260, 0.4524**, and **16.4895, 0.3214, 0.5394** is the 20% darker color. If you saturate the color by 10%, you get **36.1727, 0.3256, 0.5163**, and if you desaturate by 10%, it is **38.4529, 0.3248, 0.4532**.

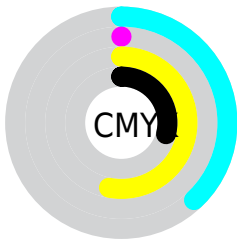
Distribution



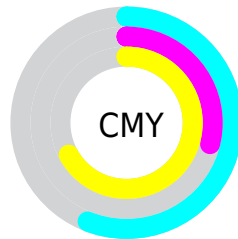
- Red (44%)
- Green (71%)
- Blue (33%)



- Red (33%)
- Yellow (71%)
- Blue (60%)



- Cyan (38%)
- Magenta (0%)
- Yellow (53%)
- Black (29%)





- Cyan (56%)
- Magenta (29%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2143, 0.3258, 0.4855 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 37.2143, 0.3258, 0.4855 by changing the saturation by 10% instead.


 37.2143, 0.3258,
0.4855


 37.2143, 0.3258,
0.4855


334.2374, 0.3231,
0.3998

 25.3735, 0.3246,
0.5089


 70.9023, 0.3260,
0.4528


 16.3555, 0.3217,
0.5398


 93.5182, 0.3257,
0.4409


 9.7761, 0.3150,
0.5818


 120.4945, 0.3253,
0.4311

 5.2507, 0.3036,
0.6489

 152.2158, 0.3249,
0.4229

 2.3951, 0.2672,
0.7328

 189.0663, 0.3244,
0.4158

 0.8234, 0.0000,
1.0000

231.4305, 0.3239,

 0.0000, 0.0000,

0.4098

0.0000

279.6927, 0.3235,
0.4045

■ 37.2143, 0.3258,
0.4855

■ 37.2143, 0.3258,
0.4855

■ 36.1727, 0.3256,
0.5163

■ 38.4529, 0.3248,
0.4532

■ 35.3125, 0.3239,
0.5437

■ 39.8937, 0.3228,
0.4212

■ 34.6234, 0.3209,
0.5659

■ 41.5472, 0.3202,
0.3906

■ 34.0918, 0.3166,
0.5815

■ 43.4220, 0.3171,
0.3621

■ 33.7998, 0.3135,
0.5893

■ 45.5263, 0.3137,
0.3363

■ 47.8676, 0.3103,
0.3131

■ 50.4532, 0.3070,
0.2926

■ 53.2901, 0.3037,
0.2744

■ 56.3849, 0.3007,
0.2585

Harmonies

Analogous

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



37.2143, 0.4048, 0.4766



37.2143, 0.3258, 0.4855



37.2143, 0.2476, 0.4286

Triad

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



37.2143, 0.3258, 0.4855



37.2143, 0.1755, 0.2126



37.2143, 0.4468, 0.3047

Complementary

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



37.2143, 0.3258, 0.4855



16.6114, 0.2844, 0.1910

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.



37.2143, 0.3674, 0.2522



37.2143, 0.3258, 0.4855



37.2143, 0.2129, 0.2010

Square

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



37.2143, 0.3258, 0.4855



37.2143, 0.1679, 0.2560



37.2143, 0.2799, 0.2156



37.2143, 0.4827, 0.3651

Rectangle

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



37.2143, 0.3258, 0.4855



37.2143, 0.2067, 0.3663



37.2143, 0.2799, 0.2156



37.2143, 0.4237, 0.2860

Sweetspot

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



37.2159, 0.3258, 0.4855



76.6323, 0.3181, 0.3711



33.0047, 0.4084, 0.4218



16.4152, 0.3187, 0.3768



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.



37.2159, 0.3258, 0.4855



64.4407, 0.3254, 0.5223



35.9856, 0.2933, 0.4633



9.6061, 0.3158, 0.3522



23.3310, 0.3143, 0.5887



0.7648, 0.3369, 0.5707

Inverse Universe

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



16.6114, 0.2844, 0.1910



23.4430, 0.2754, 0.1631



18.9258, 0.3431, 0.2254



8.5199, 0.3093, 0.3062



5.5140, 0.2493, 0.1147



0.2016, 0.2702, 0.1262

Previews

White Background



This preview shows how the Yxy color 37.2143, 0.3258, 0.4855 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 37.2143, 0.3258, 0.4855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

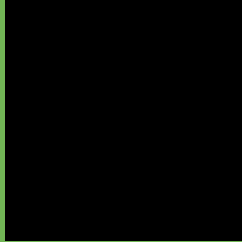
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.2143, 0.3258, 0.4855

Background



This preview shows how black text looks on a background with the Yxy color 37.2143, 0.3258, 0.4855.



This preview shows how white text looks on a background with the Yxy color 37.2143, 0.3258, 0.4855.

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

37.2143, 0.3258, 0.4855

Protanopia

36.9392, 0.4044, 0.4428

Deuteranopia

36.6918, 0.4185, 0.4109



Tritanopia

36.9560, 0.2687, 0.3080

Trichromacy



Original Color

37.2143, 0.3258, 0.4855

Protanomaly

36.4115, 0.3732, 0.4595

Deuteranomaly

35.9564, 0.3825, 0.4380

Tritanomaly

36.6953, 0.2906, 0.3704

Monochromacy



Original Color

37.2143, 0.3258, 0.4855

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

32.3145, 0.3205, 0.3861

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2143, 0.3258, 0.4855 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(113, 181, 85)` looks like.

```
.text, #text, p{  
    color:rgb(113, 181, 85)  
}
```

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(113, 181, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 181, 85) }
```

Border

The CSS property to change the border of an element to Yxy 37.2143, 0.3258, 0.4855 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(113, 181, 85) }
```

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

```
.border{ border-color:rgb(113, 181, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 181, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 181, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 181, 85);  
box-shadow:4px 4px 4px 4px rgb(113, 181,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2143, 0.3258, 0.4855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 181, 85) }
```

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

```
.background{ background-color: rgb(113,  
181, 85) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor