

Converting Colors

Yxy(36.8436, 0.3247, 0.4277)

Have a look what the booklet for
Yxy(36.8436, 0.3247, 0.4277)
contains.

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Color

Yxy(36.8387, 0.3251, 0.4280)

Conversions

Conversions Part 1

Format	Color
Hex	85AF71
RGB	133, 175, 113
RGB Percent	52%, 69%, 44%
CMY	0.4784, 0.3137, 0.5570
CMYK	0.24, 0.00, 0.35, 0.31
HSL	101°, 28%, 56%
HSV	101°, 35%, 69%
XYZ	27.9819, 36.8387, 21.2511
YIQ	155.3740, -5.1300, -28.1860

Conversions

Conversions Part 2

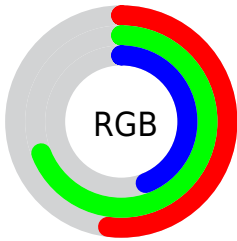
Format	Color
RYB	113, 175, 155
Decimal	8761201
CIELab	67.16, -25.81, 27.36
CIElCh	67, 37.612, 133.330
Yxy	36.8387, 0.3251, 0.4280
Android (android.graphics.Color)	4286951281 (0xFF85AF71)
YUV	155.3740, -20.8904, -19.6220
Hunter-Lab	60.6949, -23.9229, 21.7272

Details

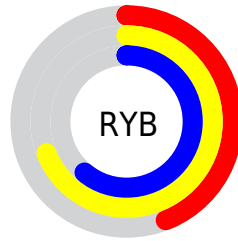
The Yxy color **36.8387, 0.3251, 0.4280** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.8675, 0.2940, 0.2367**, and the grayscale version is **33.0484, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.4332, 0.3238, 0.4082**, and **16.0831, 0.3265, 0.4621** is the 20% darker color. If you saturate the color by 10%, you get **35.5726, 0.3273, 0.4598**, and if you desaturate by 10%, it is **38.2929, 0.3221, 0.3973**.

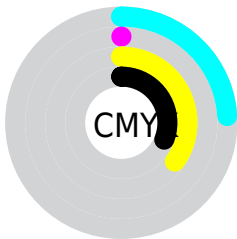
Distribution



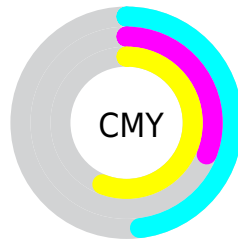
- Red (52%)
- Green (69%)
- Blue (44%)



- Red (44%)
- Yellow (69%)
- Blue (61%)



- Cyan (24%)
- Magenta (0%)
- Yellow (35%)
- Black (31%)





- Cyan (48%)
- Magenta (31%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8387, 0.3251, 0.4280 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 36.8387, 0.3251, 0.4280 by changing the saturation by 10% instead.


 36.8387, 0.3251,
0.4280


 36.8387, 0.3251,
0.4280


332.6117, 0.3202,
0.3743


 25.0826, 0.3257,
0.4428


 70.3246, 0.3237,
0.4075

 16.1386, 0.3261,
0.4625


 92.8233, 0.3230,
0.4001

 9.6223, 0.3255,
0.4902


 119.6716, 0.3224,
0.3940

 5.1493, 0.3226,
0.5312

 151.2539, 0.3219,
0.3888

 2.3351, 0.3290,
0.6292

187.9547, 0.3214,
0.3844

 0.7922, 0.1343,
0.8657

230.1583, 0.3209,

 0.0000, 0.0000,

0.3806

0.0000

278.2492, 0.3205,
0.3773

■ 36.8387, 0.3251,
0.4280

■ 36.8387, 0.3251,
0.4280

■ 35.5726, 0.3273,
0.4598

■ 38.2929, 0.3221,
0.3973

■ 34.4818, 0.3284,
0.4914

■ 39.9378, 0.3186,
0.3686

■ 33.5592, 0.3282,
0.5211


■ 41.7820, 0.3148,
0.3423

■ 32.7954, 0.3264,
0.5471


■ 43.8323, 0.3110,
0.3185

■ 32.1799, 0.3231,
0.5677


■ 46.0950, 0.3071,
0.2973

 31.7001, 0.3185,
0.5818

 48.5761, 0.3034,
0.2785

 31.5170, 0.3164,
0.5870

 51.2814, 0.2999,
0.2620

 54.2165, 0.2966,
0.2474

 56.3491, 0.3043,
0.2478

Harmonies

Analogous

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



36.8387, 0.3786, 0.4287



36.8387, 0.3251, 0.4280



36.8387, 0.2710, 0.3917

Triad

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



36.8387, 0.3251, 0.4280



36.8387, 0.2168, 0.2500



36.8387, 0.4007, 0.3149

Complementary

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



36.8387, 0.3251, 0.4280



21.8675, 0.2940, 0.2367

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.



36.8387, 0.3499, 0.2762



36.8387, 0.3251, 0.4280



36.8387, 0.2446, 0.2395

Square

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



36.8387, 0.3251, 0.4280



36.8387, 0.2117, 0.2826



36.8387, 0.2920, 0.2494



36.8387, 0.4255, 0.3590

Rectangle

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



36.8387, 0.3251, 0.4280



36.8387, 0.2417, 0.3544



36.8387, 0.2920, 0.2494



36.8387, 0.3859, 0.3011

Sweetspot

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



36.8403, 0.3251, 0.4280



72.8824, 0.3170, 0.3571



33.5265, 0.3744, 0.3890



16.1033, 0.3175, 0.3606



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.



36.8403, 0.3251, 0.4280



64.0679, 0.3270, 0.4543



35.6094, 0.3003, 0.4155



9.0602, 0.3163, 0.3521



22.5986, 0.3172, 0.5864



0.6586, 0.3424, 0.5664

Inverse Universe

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



21.8675, 0.2940, 0.2367



33.0017, 0.2881, 0.2142



23.6242, 0.3285, 0.2558



8.0166, 0.3088, 0.3063



5.0349, 0.2421, 0.1107



0.1678, 0.2669, 0.1244

Previews

White Background



This preview shows how the Yxy color 36.8387, 0.3251, 0.4280 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 36.8387, 0.3251, 0.4280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

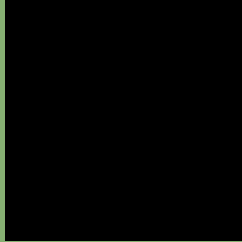
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.8387, 0.3251, 0.4280

Background



This preview shows how black text looks on a background with the Yxy color 36.8387, 0.3251, 0.4280.



This preview shows how white text looks on a background with the Yxy color 36.8387, 0.3251, 0.4280.

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

36.8387, 0.3251, 0.4280

Protanopia

36.6242, 0.3769, 0.4068

Deuteranopia

36.3987, 0.3888, 0.3816



Tritanopia

36.8620, 0.2821, 0.3099

Trichromacy



Original Color

36.8387, 0.3251, 0.4280

Protanomaly

36.3403, 0.3569, 0.4140

Deuteranomaly

36.1133, 0.3635, 0.3972

Tritanomaly

36.7252, 0.2976, 0.3504

Monochromacy



Original Color

36.8387, 0.3251, 0.4280

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.9372, 0.3178, 0.3633

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8387, 0.3251, 0.4280 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(133, 175, 113)` looks like.

```
.text, #text, p{  
    color:rgb(133, 175, 113)  
}
```

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(133, 175, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 175, 113) }
```

Border

The CSS property to change the border of an element to Yxy 36.8387, 0.3251, 0.4280 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(133, 175, 113) }
```

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

```
.border{ border-color:rgb(133, 175, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 175, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 175, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 175, 113);  
box-shadow:4px 4px 4px 4px rgb(133, 175,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8387, 0.3251, 0.4280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 175, 113) }
```

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

```
.background{ background-color: rgb(133,  
175, 113) }
```

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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