

Converting Colors

$Yxy(36.8306, 0.3402, 0.4539)$

Have a look what the booklet for
Yxy(36.8306, 0.3402, 0.4539)
contains.

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Color

Yxy(36.7387, 0.3405, 0.4534)

Conversions

Conversions Part 1

Format	Color
Hex	88AF60
RGB	136, 175, 96
RGB Percent	53%, 69%, 38%
CMY	0.4668, 0.3137, 0.6236
CMYK	0.22, 0.00, 0.45, 0.31
HSL	90°, 33%, 53%
HSV	90°, 45%, 69%
XYZ	27.5905, 36.7387, 16.7001
YIQ	154.3330, 2.1150, -32.8370

Conversions

Conversions Part 2

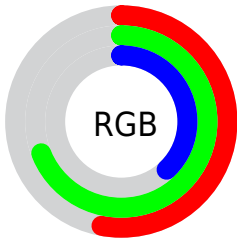
Format	Color
RYB	96, 175, 135
Decimal	8957792
CIELab	67.08, -27.04, 36.18
CIELCh	67, 45.174, 126.773
Yxy	36.7387, 0.3405, 0.4534
Android (android.graphics.Color)	4287147872 (0xFF88AF60)
YUV	154.3330, -28.7582, -16.0780
Hunter-Lab	60.6125, -24.8195, 26.0929

Details

The Yxy color **36.7387, 0.3405, 0.4534** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **16.6126, 0.2701, 0.2047**, and the grayscale version is **32.5949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.3663, 0.3369, 0.4279**, and **16.0091, 0.3442, 0.4952** is the 20% darker color. If you saturate the color by 10%, you get **35.7582, 0.3443, 0.4823**, and if you desaturate by 10%, it is **37.8525, 0.3354, 0.4239**.

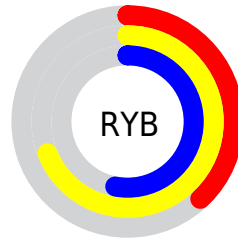
Distribution



Red (53%)

Green (69%)

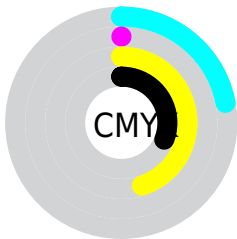
Blue (38%)



Red (38%)

Yellow (69%)

Blue (53%)

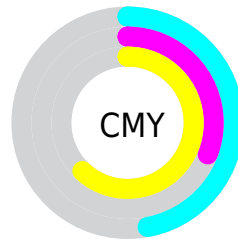


Cyan (22%)

Magenta (0%)

Yellow (45%)

Black (31%)



Cyan (47%)

Magenta (31%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7387, 0.3405, 0.4534 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 36.7387, 0.3405, 0.4534 by changing the saturation by 10% instead.


 36.7387, 0.3405,
0.4534


 36.7387, 0.3405,
0.4534


332.1779, 0.3285,
0.3862

 25.0052, 0.3424,
0.4716


 70.1707, 0.3368,
0.4279

 16.0810, 0.3440,
0.4956


 92.6381, 0.3352,
0.4186

 9.5815, 0.3444,
0.5284


 119.4522, 0.3338,
0.4109

 5.1223, 0.3414,
0.5760

 150.9974, 0.3325,
0.4044

 2.3192, 0.3359,
0.6641

187.6582, 0.3314,
0.3988

 0.7839, 0.0977,
0.9023

229.8190, 0.3303,

 0.0000, 0.0000,

0.3940

0.0000

277.8641, 0.3294,
0.3898

■ 36.7387, 0.3405,
0.4534

■ 36.7387, 0.3405,
0.4534

■ 35.7582, 0.3443,
0.4823

■ 37.8525, 0.3354,
0.4239

■ 34.9002, 0.3464,
0.5092

■ 39.1006, 0.3294,
0.3949

■ 34.1592, 0.3464,
0.5327

■ 40.4899, 0.3229,
0.3673


■ 33.5277, 0.3442,
0.5514

■ 42.0253, 0.3162,
0.3415


■ 32.9964, 0.3400,
0.5647


■ 43.7116, 0.3095,
0.3178

 32.7658, 0.3377,
0.5701

 45.5532, 0.3030,
0.2963

 47.5545, 0.2968,
0.2770

 49.7195, 0.2909,
0.2597

 52.0522, 0.2854,
0.2443

Harmonies

Analogous

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



36.7387, 0.4018, 0.4422



36.7387, 0.3405, 0.4534



36.7387, 0.2751, 0.4188

Triad

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



36.7387, 0.3405, 0.4534



36.7387, 0.1964, 0.2409



36.7387, 0.4072, 0.3007

Complementary

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



36.7387, 0.3405, 0.4534



16.6126, 0.2701, 0.2047

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.



36.7387, 0.3414, 0.2585



36.7387, 0.3405, 0.4534



36.7387, 0.2228, 0.2243

Square

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



36.7387, 0.3405, 0.4534



36.7387, 0.1962, 0.2841



36.7387, 0.2736, 0.2313



36.7387, 0.4452, 0.3509

Rectangle

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



36.7387, 0.3405, 0.4534



36.7387, 0.2380, 0.3750



36.7387, 0.2736, 0.2313



36.7387, 0.3871, 0.2853

Sweetspot

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



36.7403, 0.3405, 0.4534



72.7452, 0.3223, 0.3648



27.0603, 0.4038, 0.3855



16.0452, 0.3237, 0.3705



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.



36.7403, 0.3405, 0.4534



64.0690, 0.3442, 0.4817



34.0668, 0.3072, 0.4671



9.1310, 0.3190, 0.3519



23.4980, 0.3385, 0.5694



0.6862, 0.3623, 0.5505

Inverse Universe

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



16.6126, 0.2701, 0.2047



23.5174, 0.2578, 0.1765



20.4228, 0.3162, 0.2203



7.9442, 0.3060, 0.3061



3.6855, 0.2027, 0.0890



0.1351, 0.2373, 0.1081

Previews

White Background



This preview shows how the Yxy color 36.7387, 0.3405, 0.4534 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 36.7387, 0.3405, 0.4534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

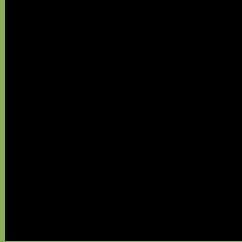
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7387, 0.3405, 0.4534

Background



This preview shows how black text looks on a background with the Yxy color 36.7387, 0.3405, 0.4534.



This preview shows how white text looks on a background with the Yxy color 36.7387, 0.3405, 0.4534.

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

36.7387, 0.3405, 0.4534

Protanopia

36.5508, 0.3928, 0.4271

Deuteranopia

36.2526, 0.4090, 0.3997



Tritanopia

36.8230, 0.2861, 0.3100

Trichromacy



Original Color

36.7387, 0.3405, 0.4534

Protanomaly

36.2143, 0.3730, 0.4372

Deuteranomaly

35.8555, 0.3833, 0.4184

Tritanomaly

36.4752, 0.3068, 0.3596

Monochromacy



Original Color

36.7387, 0.3405, 0.4534

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.7372, 0.3240, 0.3745

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7387, 0.3405, 0.4534 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(136, 175, 96)` looks like.

```
.text, #text, p{  
    color:rgb(136, 175, 96)  
}
```

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(136, 175, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 175, 96) }
```

Border

The CSS property to change the border of an element to Yxy 36.7387, 0.3405, 0.4534 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(136, 175, 96) }
```

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

```
.border{ border-color:rgb(136, 175, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 175, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 175, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 175, 96);  
box-shadow:4px 4px 4px 4px rgb(136, 175,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7387, 0.3405, 0.4534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 175, 96) }
```

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

```
.background{ background-color: rgb(136,  
175, 96) }
```

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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