

Converting Colors

$Yxy(36.6882, 0.3445, 0.4586)$

Have a look what the booklet for
Yxy(36.6882, 0.3445, 0.4586)
contains.

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Color

Yxy(36.7510, 0.3443, 0.4588)

Conversions

Conversions Part 1

Format	Color
Hex	89AF5C
RGB	137, 175, 92
RGB Percent	54%, 69%, 36%
CMY	0.4627, 0.3137, 0.6391
CMYK	0.22, 0.00, 0.47, 0.31
HSL	87°, 34%, 52%
HSV	87°, 47%, 69%
XYZ	27.5793, 36.7510, 15.7722
YIQ	154.1760, 3.9950, -33.8690

Conversions

Conversions Part 2

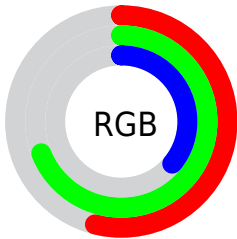
Format	Color
RYB	92, 175, 130
Decimal	9023324
CIELab	67.09, -27.13, 38.22
CIELCh	67, 46.870, 125.365
Yxy	36.7510, 0.3443, 0.4588
Android (android.graphics.Color)	4287213404 (0xFF89AF5C)
YUV	154.1760, -30.6528, -15.0634
Hunter-Lab	60.6226, -24.8839, 27.0104

Details

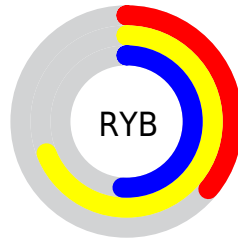
The Yxy color **36.7510, 0.3443, 0.4588** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **15.5038, 0.2639, 0.1969**, and the grayscale version is **32.5340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.3719, 0.3400, 0.4323**, and **16.0248, 0.3486, 0.5014** is the 20% darker color. If you saturate the color by 10%, you get **35.8285, 0.3483, 0.4868**, and if you desaturate by 10%, it is **37.7978, 0.3389, 0.4298**.

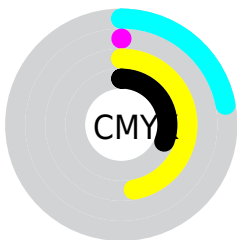
Distribution



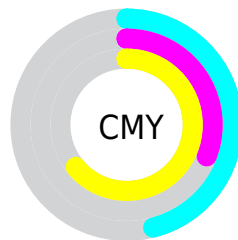
- Red (54%)
- Green (69%)
- Blue (36%)



- Red (36%)
- Yellow (69%)
- Blue (51%)



- Cyan (22%)
- Magenta (0%)
- Yellow (47%)
- Black (31%)





- Cyan (46%)
- Magenta (31%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7510, 0.3443, 0.4588 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 36.7510, 0.3443, 0.4588 by changing the saturation by 10% instead.


 36.7510, 0.3443,
0.4588


 36.7510, 0.3443,
0.4588

332.2312, 0.3306,
0.3888


 25.0148, 0.3465,
0.4776


 70.1897, 0.3401,
0.4323


 16.0881, 0.3484,
0.5024


 92.6609, 0.3383,
0.4226

 9.5865, 0.3488,
0.5359


 119.4792, 0.3366,
0.4146

 5.1257, 0.3466,
0.5856

 151.0290, 0.3352,
0.4078

 2.3212, 0.3354,
0.6646

187.6947, 0.3339,
0.4020

 0.7849, 0.0964,
0.9036

229.8607, 0.3327,

 0.0000, 0.0000,

0.3970

0.0000

277.9114, 0.3316,
0.3926

■ 36.7510, 0.3443,
0.4588

■ 36.7510, 0.3443,
0.4588

■ 35.8285, 0.3483,
0.4868

■ 37.7978, 0.3389,
0.4298

■ 35.0194, 0.3505,
0.5124

■ 38.9695, 0.3324,
0.4010

■ 34.3186, 0.3504,
0.5343

■ 40.2729, 0.3254,
0.3732


■ 33.7185, 0.3482,
0.5513

■ 41.7127, 0.3181,
0.3471


■ 33.2080, 0.3439,
0.5633


■ 43.2936, 0.3108,
0.3230

 33.0857, 0.3428,
0.5661

 45.0197, 0.3038,
0.3009

 46.8952, 0.2970,
0.2810

 48.9240, 0.2906,
0.2632

 51.1098, 0.2846,
0.2472

Harmonies

Analogous

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



36.7510, 0.4072, 0.4445



36.7510, 0.3443, 0.4588



36.7510, 0.2764, 0.4253

Triad

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



36.7510, 0.3443, 0.4588



36.7510, 0.1921, 0.2392



36.7510, 0.4079, 0.2972

Complementary

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



36.7510, 0.3443, 0.4588



15.5038, 0.2639, 0.1969

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.



36.7510, 0.3389, 0.2545



36.7510, 0.3443, 0.4588



36.7510, 0.2180, 0.2211

Square

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



36.7510, 0.3443, 0.4588



36.7510, 0.1930, 0.2849



36.7510, 0.2691, 0.2274



36.7510, 0.4492, 0.3486

Rectangle

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



36.7510, 0.3443, 0.4588



36.7510, 0.2376, 0.3803



36.7510, 0.2691, 0.2274



36.7510, 0.3867, 0.2816

Sweetspot

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



36.7526, 0.3443, 0.4588



72.9151, 0.3231, 0.3647



25.6854, 0.4116, 0.3843



16.0880, 0.3246, 0.3704



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.



36.7526, 0.3443, 0.4588



64.0767, 0.3485, 0.4883



33.9309, 0.3089, 0.4742



9.1451, 0.3195, 0.3519



23.7298, 0.3435, 0.5654



0.6922, 0.3663, 0.5474

Inverse Universe

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



15.5038, 0.2639, 0.1969



21.3539, 0.2495, 0.1662



19.3967, 0.3129, 0.2142



7.9302, 0.3054, 0.3061



3.4785, 0.1960, 0.0853



0.1295, 0.2317, 0.1050

Previews

White Background



This preview shows how the Yxy color 36.7510, 0.3443, 0.4588 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 36.7510, 0.3443, 0.4588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

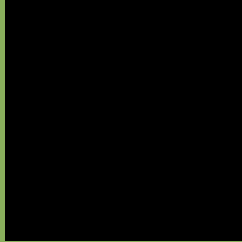
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7510, 0.3443, 0.4588

Background



This preview shows how black text looks on a background with the Yxy color 36.7510, 0.3443, 0.4588.



This preview shows how white text looks on a background with the Yxy color 36.7510, 0.3443, 0.4588.

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

36.7510, 0.3443, 0.4588

Protanopia

36.4827, 0.3961, 0.4320

Deuteranopia

36.3115, 0.4137, 0.4042



Tritanopia

36.5142, 0.2877, 0.3100

Trichromacy



Original Color

36.7510, 0.3443, 0.4588

Protanomaly

36.2512, 0.3772, 0.4421

Deuteranomaly

35.8970, 0.3878, 0.4233

Tritanomaly

36.5023, 0.3093, 0.3627

Monochromacy



Original Color

36.7510, 0.3443, 0.4588

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.7753, 0.3267, 0.3776

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7510, 0.3443, 0.4588 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(137, 175, 92)` looks like.

```
.text, #text, p{  
    color:rgb(137, 175, 92)  
}
```

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(137, 175, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 175, 92) }
```

Border

The CSS property to change the border of an element to Yxy 36.7510, 0.3443, 0.4588 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(137, 175, 92) }
```

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

```
.border{ border-color:rgb(137, 175, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 175, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 175, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 175, 92);  
box-shadow:4px 4px 4px 4px rgb(137, 175,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7510, 0.3443, 0.4588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 175, 92) }
```

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

```
.background{ background-color: rgb(137,  
175, 92) }
```

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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