

Converting Colors

$Yxy(37.5818, 0.3470, 0.4497)$

Have a look what the booklet for
Yxy(37.5818, 0.3470, 0.4497)
contains.

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Color

Yxy(37.4523, 0.3474, 0.4488)

Conversions

Conversions Part 1

Format	Color
Hex	90AF61
RGB	144, 175, 97
RGB Percent	56%, 69%, 38%
CMY	0.4352, 0.3137, 0.6197
CMYK	0.18, 0.00, 0.45, 0.31
HSL	84°, 33%, 53%
HSV	84°, 45%, 69%
XYZ	28.9905, 37.4523, 17.0071
YIQ	156.8390, 6.5620, -30.8300

Conversions

Conversions Part 2

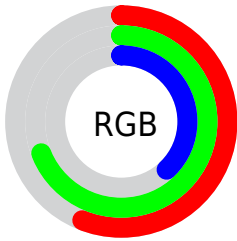
Format	Color
RYB	97, 175, 128
Decimal	9482081
CIELab	67.61, -23.84, 36.45
CIELCh	68, 43.557, 123.182
Yxy	37.4523, 0.3474, 0.4488
Android (android.graphics.Color)	4287672161 (0xFF90AF61)
YUV	156.8390, -29.5006, -11.2598
Hunter-Lab	61.1983, -22.5390, 26.3620

Details

The Yxy color **37.4523, 0.3474, 0.4488** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **16.2300, 0.2623, 0.2036**, and the grayscale version is **33.7750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.4639, 0.3422, 0.4248**, and **16.4078, 0.3538, 0.4876** is the 20% darker color. If you saturate the color by 10%, you get **36.5559, 0.3529, 0.4762**, and if you desaturate by 10%, it is **38.4626, 0.3406, 0.4205**.

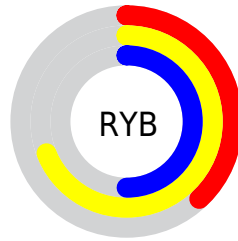
Distribution



Red (56%)

Green (69%)

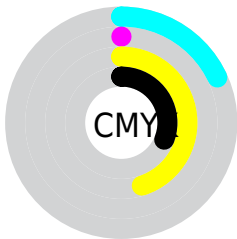
Blue (38%)



Red (38%)

Yellow (69%)

Blue (50%)

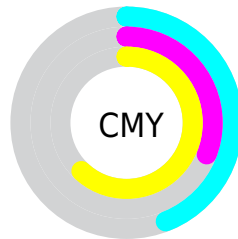


Cyan (18%)

Magenta (0%)

Yellow (45%)

Black (31%)



Cyan (44%)


Magenta (31%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4523, 0.3474, 0.4488 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 37.4523, 0.3474, 0.4488 by changing the saturation by 10% instead.


 37.4523, 0.3474,
0.4488


 37.4523, 0.3474,
0.4488


335.2646, 0.3317,
0.3846


 25.5579, 0.3504,
0.4659


 71.2679, 0.3423,
0.4246

 16.4932, 0.3534,
0.4884


 93.9578, 0.3402,
0.4157

 9.8738, 0.3557,
0.5188


 121.0151, 0.3383,
0.4084

 5.3154, 0.3556,
0.5619

 152.8240, 0.3367,
0.4021

 2.4335, 0.3566,
0.6434

189.7690, 0.3352,
0.3968

 0.8430, 0.2064,
0.7936

232.2346, 0.3339,

 0.0000, 0.0000,

0.3922

0.0000

280.6049, 0.3328,
0.3882

■ 37.4523, 0.3474,
0.4488

■ 37.4523, 0.3474,
0.4488

■ 36.5559, 0.3529,
0.4762

■ 38.4626, 0.3406,
0.4205

■ 35.7628, 0.3565,
0.5016

■ 39.5868, 0.3329,
0.3925

■ 35.0688, 0.3580,
0.5235

■ 40.8313, 0.3248,
0.3655

■ 34.4669, 0.3572,
0.5410

■ 42.2004, 0.3165,
0.3400

■ 33.9489, 0.3540,
0.5534

■ 43.6982, 0.3083,
0.3165

■ 33.6935, 0.3518,
0.5588

■ 45.3287, 0.3004,
0.2949

■ 47.0955, 0.2929,
0.2754

■ 49.0022, 0.2859,
0.2578

■ 51.0522, 0.2793,
0.2421

Harmonies

Analogous

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



37.4523, 0.4046, 0.4344



37.4523, 0.3474, 0.4488



37.4523, 0.2840, 0.4208

Triad

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



37.4523, 0.3474, 0.4488



37.4523, 0.1992, 0.2480



37.4523, 0.3966, 0.2965

Complementary

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



37.4523, 0.3474, 0.4488



16.2300, 0.2623, 0.2036

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.



37.4523, 0.3322, 0.2571



37.4523, 0.3474, 0.4488



37.4523, 0.2218, 0.2288

Square

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



37.4523, 0.3474, 0.4488



37.4523, 0.2022, 0.2930



37.4523, 0.2683, 0.2329



37.4523, 0.4373, 0.3446

Rectangle

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



37.4523, 0.3474, 0.4488



37.4523, 0.2469, 0.3812



37.4523, 0.2683, 0.2329



37.4523, 0.3766, 0.2820

Sweetspot

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



37.4540, 0.3474, 0.4488



73.4446, 0.3236, 0.3619



25.1283, 0.4076, 0.3736



16.2105, 0.3254, 0.3676



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.



37.4540, 0.3474, 0.4488



65.5695, 0.3526, 0.4745



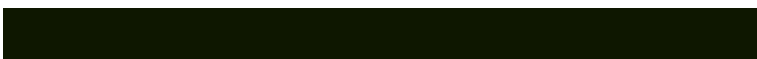
34.5932, 0.3135, 0.4626



9.1691, 0.3204, 0.3518



24.1649, 0.3526, 0.5583



0.7028, 0.3731, 0.5419

Inverse Universe

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



16.2300, 0.2623, 0.2036



22.9031, 0.2485, 0.1752



19.7388, 0.3067, 0.2184



7.9066, 0.3045, 0.3060



3.1698, 0.1856, 0.0796



0.1205, 0.2225, 0.0999

Previews

White Background



This preview shows how the Yxy color 37.4523, 0.3474, 0.4488 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 37.4523, 0.3474, 0.4488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

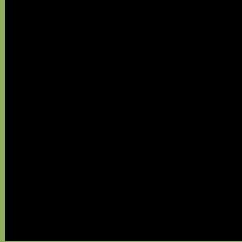
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.4523, 0.3474, 0.4488

Background



This preview shows how black text looks on a background with the Yxy color 37.4523, 0.3474, 0.4488.



This preview shows how white text looks on a background with the Yxy color 37.4523, 0.3474, 0.4488.

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

37.4523, 0.3474, 0.4488

Protanopia

37.0445, 0.3924, 0.4266

Deuteranopia

37.1956, 0.4097, 0.4015



Tritanopia

37.4957, 0.2921, 0.3104

Trichromacy



Original Color

37.4523, 0.3474, 0.4488

Protanomaly

37.0289, 0.3758, 0.4354

Deuteranomaly

37.0547, 0.3855, 0.4181

Tritanomaly

37.1252, 0.3131, 0.3591

Monochromacy



Original Color

37.4523, 0.3474, 0.4488

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.9756, 0.3268, 0.3735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4523, 0.3474, 0.4488 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(144, 175, 97)` looks like.

```
.text, #text, p{  
    color:rgb(144, 175, 97)  
}
```

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(144, 175, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 175, 97) }
```

Border

The CSS property to change the border of an element to Yxy 37.4523, 0.3474, 0.4488 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(144, 175, 97) }
```

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

```
.border{ border-color:rgb(144, 175, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 175, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 175, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 175, 97);  
box-shadow:4px 4px 4px 4px rgb(144, 175,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4523, 0.3474, 0.4488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 175, 97) }
```

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

```
.background{ background-color: rgb(144,  
175, 97) }
```

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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