

Converting Colors

$Yxy(37.2905, 0.3417, 0.4310)$

Have a look what the booklet for
Yxy(37.2905, 0.3417, 0.4310)
contains.

Yxy(37.4446, 0.3421, 0.4321)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.4446, 0.3421, 0.4321)

Conversions

Conversions Part 1

Format	Color
Hex	92AE6B
RGB	146, 174, 107
RGB Percent	57%, 68%, 42%
CMY	0.4274, 0.3176, 0.5805
CMYK	0.16, 0.00, 0.39, 0.32
HSL	85°, 29%, 55%
HSV	85°, 39%, 68%
XYZ	29.6454, 37.4446, 19.5672
YIQ	157.9900, 4.8190, -26.7730

Conversions

Conversions Part 2

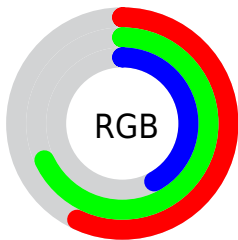
Format	Color
RYB	107, 174, 135
Decimal	9612907
CIELab	67.61, -21.30, 31.29
CIElCh	68, 37.851, 124.242
Yxy	37.4446, 0.3421, 0.4321
Android (android.graphics.Color)	4287802987 (0xFF92AE6B)
YUV	157.9900, -25.1381, -10.5152
Hunter-Lab	61.1920, -20.6088, 23.8754

Details

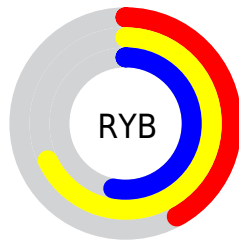
The Yxy color **37.4446, 0.3421, 0.4321** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.7130, 0.2722, 0.2227**, and the grayscale version is **34.3030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.5143, 0.3377, 0.4118**, and **16.3599, 0.3481, 0.4662** is the 20% darker color. If you saturate the color by 10%, you get **36.4714, 0.3481, 0.4605**, and if you desaturate by 10%, it is **38.5371, 0.3351, 0.4037**.

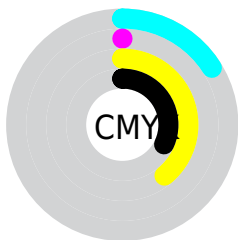
Distribution



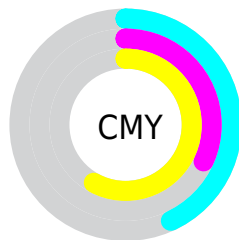
- Red (57%)
- Green (68%)
- Blue (42%)



- Red (42%)
- Yellow (68%)
- Blue (53%)



- Cyan (16%)
- Magenta (0%)
- Yellow (39%)
- Black (32%)




- Cyan (43%)
- Magenta (32%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4446, 0.3421, 0.4321 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 37.4446, 0.3421, 0.4321 by changing the saturation by 10% instead.


 37.4446, 0.3421,
0.4321


 37.4446, 0.3421,
0.4321


335.2314, 0.3285,
0.3769


 25.5519, 0.3449,
0.4470


 71.2561, 0.3375,
0.4112

 16.4887, 0.3480,
0.4666


 93.9436, 0.3357,
0.4036

 9.8706, 0.3510,
0.4935


 120.9982, 0.3341,
0.3973

 5.3133, 0.3526,
0.5321

 152.8044, 0.3327,
0.3919

 2.4322, 0.3710,
0.6290

189.7463, 0.3314,
0.3873

 0.8424, 0.2500,
0.7500

232.2086, 0.3303,

 0.0000, 0.0000,

0.3834

0.0000

280.5755, 0.3294,
0.3799

■ 37.4446, 0.3421,
0.4321

■ 37.4446, 0.3421,
0.4321

■ 36.4714, 0.3481,
0.4605

■ 38.5371, 0.3351,
0.4037

■ 35.6073, 0.3526,
0.4876

■ 39.7488, 0.3274,
0.3760

■ 34.8483, 0.3551,
0.5121


■ 41.0858, 0.3195,
0.3499

■ 34.1879, 0.3554,
0.5327

■ 42.5524, 0.3116,
0.3255

■ 33.6187, 0.3534,
0.5486

■ 44.1526, 0.3038,
0.3032

 33.1285, 0.3494,
0.5597

 45.8903, 0.2965,
0.2830

 33.0602, 0.3488,
0.5613

 47.7691, 0.2895,
0.2647

 49.7926, 0.2830,
0.2484

 51.3994, 0.2826,
0.2414

Harmonies

Analogous

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



37.4446, 0.3924, 0.4226



37.4446, 0.3421, 0.4321



37.4446, 0.2865, 0.4061

Triad

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



37.4446, 0.3421, 0.4321



37.4446, 0.2127, 0.2574



37.4446, 0.3874, 0.3023

Complementary

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



37.4446, 0.3421, 0.4321



18.7130, 0.2722, 0.2227

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.



37.4446, 0.3322, 0.2665



37.4446, 0.3421, 0.4321



37.4446, 0.2338, 0.2404

Square

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



37.4446, 0.3421, 0.4321



37.4446, 0.2148, 0.2967



37.4446, 0.2759, 0.2444



37.4446, 0.4216, 0.3455

Rectangle

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



37.4446, 0.3421, 0.4321



37.4446, 0.2540, 0.3721



37.4446, 0.2759, 0.2444



37.4446, 0.3704, 0.2892

Sweetspot

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



37.4462, 0.3421, 0.4321



73.6029, 0.3224, 0.3593



27.3603, 0.3898, 0.3708



16.2903, 0.3234, 0.3626



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.



37.4462, 0.3421, 0.4321



66.4424, 0.3472, 0.4557



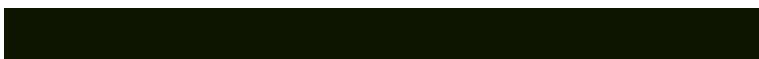
34.8149, 0.3119, 0.4425



9.1611, 0.3201, 0.3518



24.0140, 0.3495, 0.5607



0.6992, 0.3709, 0.5437

Inverse Universe

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



18.7130, 0.2722, 0.2227



27.7199, 0.2609, 0.1974



21.9364, 0.3105, 0.2338



7.9144, 0.3048, 0.3060



3.2669, 0.1889, 0.0814



0.1235, 0.2256, 0.1016

Previews

White Background



This preview shows how the Yxy color 37.4446, 0.3421, 0.4321 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 37.4446, 0.3421, 0.4321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

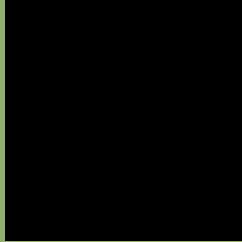
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.4446, 0.3421, 0.4321

Background



This preview shows how black text looks on a background with the Yxy color 37.4446, 0.3421, 0.4321.



This preview shows how white text looks on a background with the Yxy color 37.4446, 0.3421, 0.4321.

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

37.4446, 0.3421, 0.4321

Protanopia

37.1139, 0.3829, 0.4141

Deuteranopia

37.1320, 0.3983, 0.3897



Tritanopia

37.2329, 0.2929, 0.3090

Trichromacy



Original Color

37.4446, 0.3421, 0.4321

Protanomaly

37.2202, 0.3677, 0.4219

Deuteranomaly

36.7852, 0.3762, 0.4038

Tritanomaly

36.9806, 0.3108, 0.3514

Monochromacy



Original Color

37.4446, 0.3421, 0.4321

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.2850, 0.3252, 0.3670

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4446, 0.3421, 0.4321 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(146, 174, 107)` looks like.

```
.text, #text, p{  
    color:rgb(146, 174, 107)  
}
```

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(146, 174, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 174, 107) }
```

Border

The CSS property to change the border of an element to Yxy 37.4446, 0.3421, 0.4321 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(146, 174, 107) }
```

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

```
.border{ border-color:rgb(146, 174, 107) }
```

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

Here you see how a box with a 4 pixel rgb(146, 174, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 174, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 174, 107);  
box-shadow:4px 4px 4px 4px rgb(146, 174,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4446, 0.3421, 0.4321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 174, 107) }
```

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

```
.background{ background-color: rgb(146,  
174, 107) }
```

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