

Converting Colors

$Yxy(36.7664, 0.3362, 0.4275)$

Have a look what the booklet for
Yxy(36.7664, 0.3362, 0.4275)
contains.

Yxy(36.7637, 0.3362, 0.4275)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.7637, 0.3362, 0.4275)

Conversions

Conversions Part 1

Format	Color
Hex	8EAD6E
RGB	142, 173, 110
RGB Percent	56%, 68%, 43%
CMY	0.4432, 0.3215, 0.5687
CMYK	0.18, 0.00, 0.36, 0.32
HSL	90°, 28%, 55%
HSV	90°, 36%, 68%
XYZ	28.9122, 36.7637, 20.3211
YIQ	156.5490, 1.7470, -26.1650

Conversions

Conversions Part 2

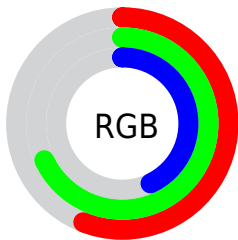
Format	Color
RYB	110, 173, 141
Decimal	9350510
CIELab	67.10, -21.92, 28.98
CIELCh	67, 36.336, 127.103
Yxy	36.7637, 0.3362, 0.4275
Android (android.graphics.Color)	4287540590 (0xFF8EAD6E)
YUV	156.5490, -22.9487, -12.7595
Hunter-Lab	60.6331, -20.9922, 22.5722

Details

The Yxy color **36.7637, 0.3362, 0.4275** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.8303, 0.2802, 0.2305**, and the grayscale version is **33.6081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.5176, 0.3331, 0.4080**, and **16.1853, 0.3400, 0.4625** is the 20% darker color. If you saturate the color by 10%, you get **35.7000, 0.3412, 0.4570**, and if you desaturate by 10%, it is **37.9617, 0.3303, 0.3984**.

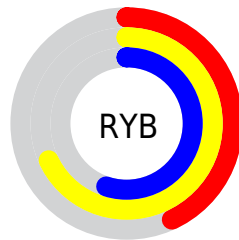
Distribution



Red (56%)

Green (68%)

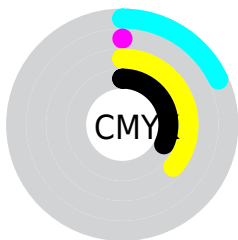
Blue (43%)



Red (43%)

Yellow (68%)

Blue (55%)

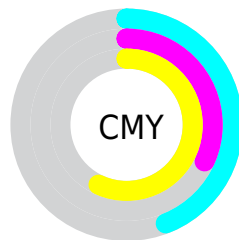


Cyan (18%)

Magenta (0%)

Yellow (36%)

Black (32%)



Cyan (44%)


Magenta (32%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7637, 0.3362, 0.4275 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 36.7637, 0.3362, 0.4275 by changing the saturation by 10% instead.


 36.7637, 0.3362,
0.4275


 36.7637, 0.3362,
0.4275


332.2863, 0.3254,
0.3745


 25.0246, 0.3383,
0.4419


 70.2092, 0.3326,
0.4073


 16.0954, 0.3406,
0.4611


 92.6844, 0.3312,
0.4000

 9.5917, 0.3427,
0.4877


 119.5070, 0.3299,
0.3939

 5.1291, 0.3434,
0.5265

 151.0616, 0.3288,
0.3888

 2.3232, 0.3621,
0.6284

187.7324, 0.3278,
0.3844

 0.7859, 0.2124,
0.7876

229.9038, 0.3269,

 0.0000, 0.0000,

0.3807

0.0000

277.9604, 0.3262,
0.3774

■ 36.7637, 0.3362,
0.4275

■ 36.7637, 0.3362,
0.4275

■ 35.7000, 0.3412,
0.4570

■ 37.9617, 0.3303,
0.3984

■ 34.7602, 0.3448,
0.4856

■ 39.2944, 0.3238,
0.3706

■ 33.9399, 0.3467,
0.5122


■ 40.7683, 0.3170,
0.3446

■ 33.2323, 0.3465,
0.5351


■ 42.3880, 0.3103,
0.3207


■ 32.6298, 0.3441,
0.5531


■ 44.1577, 0.3038,
0.2990


 32.1225, 0.3397,
0.5659

 46.0818, 0.2975,
0.2794

 31.9575, 0.3380,
0.5698

 48.1642, 0.2916,
0.2619

 50.4087, 0.2860,
0.2462

 52.1108, 0.2880,
0.2417

Harmonies

Analogous

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



36.7637, 0.3859, 0.4217



36.7637, 0.3362, 0.4275



36.7637, 0.2826, 0.3991

Triad

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



36.7637, 0.3362, 0.4275



36.7637, 0.2167, 0.2573



36.7637, 0.3891, 0.3070

Complementary

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



36.7637, 0.3362, 0.4275



19.8303, 0.2802, 0.2305

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.



36.7637, 0.3371, 0.2713



36.7637, 0.3362, 0.4275



36.7637, 0.2394, 0.2426

Square

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



36.7637, 0.3362, 0.4275



36.7637, 0.2166, 0.2935



36.7637, 0.2820, 0.2483



36.7637, 0.4194, 0.3494

Rectangle

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



36.7637, 0.3362, 0.4275



36.7637, 0.2520, 0.3653



36.7637, 0.2820, 0.2483



36.7637, 0.3733, 0.2940

Sweetspot

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



36.7653, 0.3362, 0.4275



71.7180, 0.3203, 0.3568



28.8980, 0.3822, 0.3745



15.5117, 0.3211, 0.3602



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.7653, 0.3362, 0.4275



64.2322, 0.3404, 0.4521



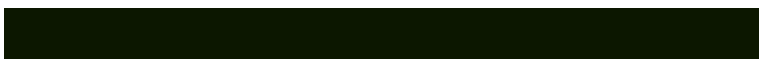
34.3972, 0.3085, 0.4364



9.1317, 0.3190, 0.3519



23.5099, 0.3388, 0.5692



0.6865, 0.3625, 0.5503

Inverse Universe

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



19.8303, 0.2802, 0.2305



29.2674, 0.2704, 0.2059



22.9330, 0.3156, 0.2403



7.9434, 0.3060, 0.3061



3.6740, 0.2024, 0.0888



0.1348, 0.2370, 0.1079

Previews

White Background



This preview shows how the Yxy color 36.7637, 0.3362, 0.4275 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 36.7637, 0.3362, 0.4275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

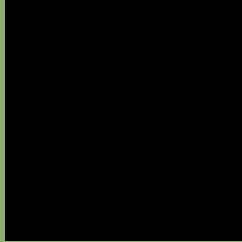
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7637, 0.3362, 0.4275

Background



This preview shows how black text looks on a background with the Yxy color 36.7637, 0.3362, 0.4275.



This preview shows how white text looks on a background with the Yxy color 36.7637, 0.3362, 0.4275.

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

36.7637, 0.3362, 0.4275

Protanopia

36.5821, 0.3787, 0.4095

Deuteranopia

36.4612, 0.3928, 0.3853



Tritanopia

36.8000, 0.2903, 0.3102

Trichromacy



Original Color

36.7637, 0.3362, 0.4275

Protanomaly

36.5915, 0.3625, 0.4174

Deuteranomaly

36.1469, 0.3708, 0.3992

Tritanomaly

36.6011, 0.3071, 0.3517

Monochromacy



Original Color

36.7637, 0.3362, 0.4275

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.7632, 0.3225, 0.3642

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7637, 0.3362, 0.4275 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(142, 173, 110)` looks like.

```
.text, #text, p{  
    color:rgb(142, 173, 110)  
}
```

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(142, 173, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 173, 110) }
```

Border

The CSS property to change the border of an element to Yxy 36.7637, 0.3362, 0.4275 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(142, 173, 110) }
```

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

```
.border{ border-color:rgb(142, 173, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 173, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 173, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 173, 110);  
box-shadow:4px 4px 4px 4px rgb(142, 173,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7637, 0.3362, 0.4275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 173, 110) }
```

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

```
.background{ background-color: rgb(142,  
173, 110) }
```

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