

Converting Colors

$Y_{xy}(36.7673, 0.3257, 0.4210)$

Have a look what the booklet for
Yxy(36.7673, 0.3257, 0.4210)
contains.

Yxy(36.7673, 0.3257, 0.4210)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.7673, 0.3257, 0.4210)

Conversions

Conversions Part 1

Format	Color
Hex	88AE74
RGB	136, 174, 116
RGB Percent	53%, 68%, 45%
CMY	0.4666, 0.3177, 0.5451
CMYK	0.22, 0.00, 0.33, 0.32
HSL	99°, 26%, 57%
HSV	99°, 33%, 68%
XYZ	28.4444, 36.7673, 22.1215
YIQ	156.0260, -4.0300, -26.0940

Conversions

Conversions Part 2

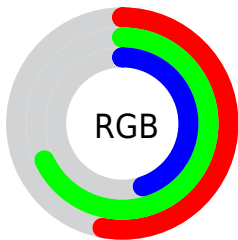
Format	Color
RYB	116, 174, 154
Decimal	8957556
CIELab	67.10, -23.75, 25.70
CIELCh	67, 35.000, 132.743
Yxy	36.7673, 0.3257, 0.4210
Android (android.graphics.Color)	4287147636 (0xFF88AE74)
YUV	156.0260, -19.7328, -17.5628
Hunter-Lab	60.6360, -22.3785, 20.8148

Details

The Yxy color **36.7673, 0.3257, 0.4210** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.4161, 0.2940, 0.2422**, and the grayscale version is **33.3515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.3679, 0.3241, 0.4030**, and **16.0113, 0.3276, 0.4523** is the 20% darker color. If you saturate the color by 10%, you get **35.4971, 0.3284, 0.4524**, and if you desaturate by 10%, it is **38.2180, 0.3222, 0.3909**.

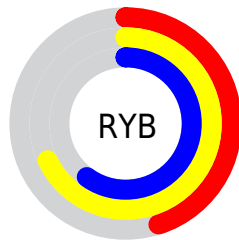
Distribution



Red (53%)

Green (68%)

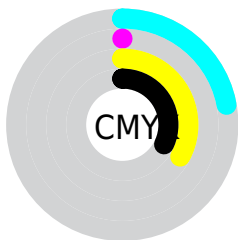
Blue (45%)



Red (45%)

Yellow (68%)

Blue (60%)

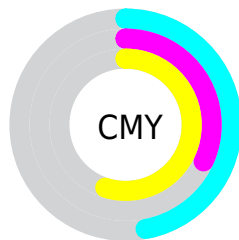


Cyan (22%)

Magenta (0%)

Yellow (33%)

Black (32%)



Cyan (47%)


Magenta (32%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.7673, 0.3257, 0.4210 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 36.7673, 0.3257, 0.4210 by changing the saturation by 10% instead.


 36.7673, 0.3257,
0.4210


 36.7673, 0.3257,
0.4210


332.3020, 0.3202,
0.3713

 25.0274, 0.3266,
0.4347


 70.2147, 0.3240,
0.4020

 16.0975, 0.3273,
0.4530


 92.6911, 0.3233,
0.3951

 9.5931, 0.3275,
0.4786


 119.5149, 0.3226,
0.3895

 5.1300, 0.3258,
0.5167

151.0708, 0.3221,
0.3847

 2.3238, 0.3307,
0.6009

187.7431, 0.3215,
0.3806

 0.7862, 0.1755,
0.8245

229.9161, 0.3210,

 0.0000, 0.0000,

0.3770

0.0000

277.9742, 0.3206,
0.3740

■ 36.7673, 0.3257,
0.4210

■ 36.7673, 0.3257,
0.4210

■ 35.4971, 0.3284,
0.4524

■ 38.2180, 0.3222,
0.3909

■ 34.3951, 0.3301,
0.4838

■ 39.8513, 0.3183,
0.3627

■ 33.4551, 0.3304,
0.5138


■ 41.6754, 0.3141,
0.3370


■ 32.6682, 0.3292,
0.5404


■ 43.6965, 0.3099,
0.3138


■ 32.0249, 0.3262,
0.5621


■ 45.9204, 0.3058,
0.2931


 31.5140, 0.3218,
0.5775

 48.3528, 0.3018,
0.2747

 31.2342, 0.3186,
0.5852

 50.9991, 0.2980,
0.2585

 53.8514, 0.2946,
0.2444

 55.7679, 0.3035,
0.2466

Harmonies

Analogous

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



36.7673, 0.3754, 0.4217



36.7673, 0.3257, 0.4210



36.7673, 0.2749, 0.3880

Triad

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



36.7673, 0.3257, 0.4210



36.7673, 0.2224, 0.2556



36.7673, 0.3939, 0.3153

Complementary

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



36.7673, 0.3257, 0.4210



22.4161, 0.2940, 0.2422

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.



36.7673, 0.3465, 0.2789



36.7673, 0.3257, 0.4210



36.7673, 0.2483, 0.2451

Square

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



36.7673, 0.3257, 0.4210



36.7673, 0.2181, 0.2869



36.7673, 0.2926, 0.2539



36.7673, 0.4176, 0.3569

Rectangle

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



36.7673, 0.3257, 0.4210



36.7673, 0.2472, 0.3539



36.7673, 0.2926, 0.2539



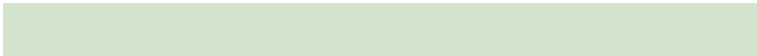
36.7673, 0.3799, 0.3023

Sweetspot

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



36.7689, 0.3257, 0.4210



73.2929, 0.3170, 0.3544



33.2723, 0.3707, 0.3840



16.1915, 0.3175, 0.3580



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.



36.7689, 0.3257, 0.4210



64.9636, 0.3278, 0.4441



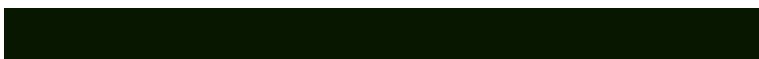
35.4582, 0.3017, 0.4111



9.0687, 0.3166, 0.3521



22.6847, 0.3193, 0.5846



0.6619, 0.3449, 0.5643

Inverse Universe

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



22.4161, 0.2940, 0.2422



34.8841, 0.2885, 0.2219



24.2180, 0.3263, 0.2589



8.0076, 0.3085, 0.3063



4.8424, 0.2369, 0.1079



0.1635, 0.2632, 0.1223

Previews

White Background



This preview shows how the Yxy color 36.7673, 0.3257, 0.4210 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 36.7673, 0.3257, 0.4210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

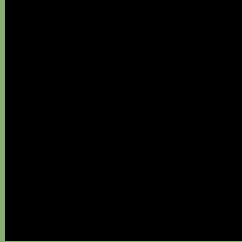
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7673, 0.3257, 0.4210

Background



This preview shows how black text looks on a background with the Yxy color 36.7673, 0.3257, 0.4210.



This preview shows how white text looks on a background with the Yxy color 36.7673, 0.3257, 0.4210.

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

36.7673, 0.3257, 0.4210

Protanopia

36.5722, 0.3732, 0.4030

Deuteranopia

36.4705, 0.3859, 0.3776



Tritanopia

36.6381, 0.2845, 0.3099

Trichromacy



Original Color

36.7673, 0.3257, 0.4210

Protanomaly

36.4068, 0.3543, 0.4096

Deuteranomaly

36.2970, 0.3618, 0.3927

Tritanomaly

36.5270, 0.2993, 0.3488

Monochromacy



Original Color

36.7673, 0.3257, 0.4210

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.5070, 0.3187, 0.3630

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7673, 0.3257, 0.4210 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, 174, 116)` looks like.

```
.text, #text, p{  
    color:rgb(136, 174, 116)  
}
```

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, 174, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 174, 116) }
```

Border

The CSS property to change the border of an element to Yxy 36.7673, 0.3257, 0.4210 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, 174, 116) }
```

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

```
.border{ border-color:rgb(136, 174, 116) }
```

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

Here you see how a box with a 4 pixel rgb(136, 174, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 174, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 174, 116);  
box-shadow:4px 4px 4px 4px rgb(136, 174,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7673, 0.3257, 0.4210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 174, 116) }
```

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

```
.background{ background-color: rgb(136,  
174, 116) }
```

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