

Converting Colors

$Y_{xy}(35.2821, 0.3211, 0.4147)$

Have a look what the booklet for
Yxy(35.2821, 0.3211, 0.4147)
contains.

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Color

Yxy(35.3394, 0.3210, 0.4147)

Conversions

Conversions Part 1

Format	Color
Hex	84AB76
RGB	132, 171, 118
RGB Percent	52%, 67%, 46%
CMY	0.4822, 0.3294, 0.5372
CMYK	0.23, 0.00, 0.31, 0.33
HSL	104°, 24%, 57%
HSV	104°, 31%, 67%
XYZ	27.3546, 35.3394, 22.5228
YIQ	153.2970, -6.2310, -24.7510

Conversions

Conversions Part 2

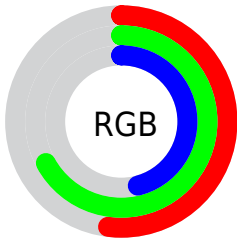
Format	Color
RYB	118, 171, 157
Decimal	8694646
CIELab	66.01, -23.38, 23.12
CIELCh	66, 32.883, 135.327
Yxy	35.3394, 0.3210, 0.4147
Android (android.graphics.Color)	4286884726 (0xFF84AB76)
YUV	153.2970, -17.4014, -18.6775
Hunter-Lab	59.4470, -21.8952, 19.1495

Details

The Yxy color **35.3394, 0.3210, 0.4147** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.0643, 0.3004, 0.2499**, and the grayscale version is **32.0755, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.3175, 0.3198, 0.3967**, and **15.3727, 0.3212, 0.4462** is the 20% darker color. If you saturate the color by 10%, you get **34.0169, 0.3228, 0.4467**, and if you desaturate by 10%, it is **36.8607, 0.3186, 0.3844**.

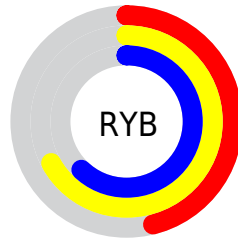
Distribution



Red (52%)

Green (67%)

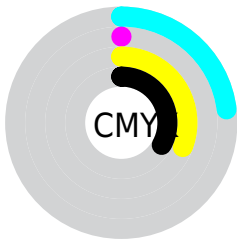
Blue (46%)



Red (46%)

Yellow (67%)

Blue (62%)

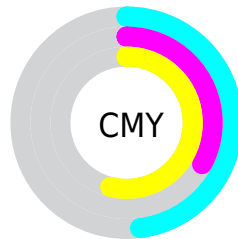


Cyan (23%)

Magenta (0%)

Yellow (31%)

Black (33%)



Cyan (48%)

Magenta (33%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.3394, 0.3210, 0.4147 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 35.3394, 0.3210, 0.4147 by changing the saturation by 10% instead.


 35.3394, 0.3210,
0.4147


 35.3394, 0.3210,
0.4147


326.0639, 0.3178,
0.3681


 23.9244, 0.3214,
0.4277


 68.0112, 0.3201,
0.3968

 15.2776, 0.3215,
0.4451


 90.0369, 0.3197,
0.3904

 9.0144, 0.3209,
0.4699


 116.3682, 0.3193,
0.3850

 4.7506, 0.3184,
0.5073

147.3896, 0.3189,
0.3806

 2.1017, 0.3215,
0.5904

183.4855, 0.3186,
0.3768

 0.6656, 0.0849,
0.9151

225.0402, 0.3183,

 0.0000, 0.0000,

0.3735

0.0000

272.4382, 0.3180,
0.3706

■ 35.3394, 0.3210,
0.4147

■ 35.3394, 0.3210,
0.4147

■ 34.0169, 0.3228,
0.4467

■ 36.8607, 0.3186,
0.3844

■ 32.8805, 0.3237,
0.4792

■ 38.5842, 0.3159,
0.3566

■ 31.9226, 0.3235,
0.5108


■ 40.5186, 0.3130,
0.3313


■ 31.1336, 0.3220,
0.5393

■ 42.6710, 0.3100,
0.3088

■ 30.5028, 0.3193,
0.5630


■ 45.0479, 0.3071,
0.2889


 30.0179, 0.3154,
0.5802

 47.6559, 0.3042,
0.2714

 29.6878, 0.3116,
0.5908

 50.5009, 0.3015,
0.2560

 53.5888, 0.2990,
0.2425

 55.7879, 0.3088,
0.2449

Harmonies

Analogous

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



35.3394, 0.3690, 0.4184



35.3394, 0.3210, 0.4147



35.3394, 0.2730, 0.3811

Triad

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



35.3394, 0.3210, 0.4147



35.3394, 0.2277, 0.2573



35.3394, 0.3929, 0.3195

Complementary

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



35.3394, 0.3210, 0.4147



23.0643, 0.3004, 0.2499

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.



35.3394, 0.3493, 0.2838



35.3394, 0.3210, 0.4147



35.3394, 0.2543, 0.2487

Square

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



35.3394, 0.3210, 0.4147



35.3394, 0.2217, 0.2858



35.3394, 0.2979, 0.2586



35.3394, 0.4131, 0.3594

Rectangle

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



35.3394, 0.3210, 0.4147



35.3394, 0.2473, 0.3483



35.3394, 0.2979, 0.2586



35.3394, 0.3803, 0.3068

Sweetspot

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



35.3409, 0.3210, 0.4147



69.7118, 0.3154, 0.3517



34.0340, 0.3641, 0.3861



15.4410, 0.3158, 0.3555



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.



35.3409, 0.3210, 0.4147



61.6793, 0.3222, 0.4359



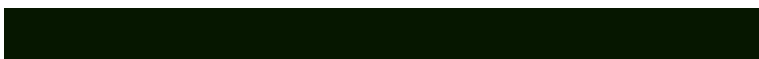
34.5976, 0.2990, 0.3966



9.0381, 0.3154, 0.3522



22.4047, 0.3122, 0.5903



0.6500, 0.3356, 0.5718

Inverse Universe

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



23.0643, 0.3004, 0.2499



36.2479, 0.2969, 0.2321



24.1077, 0.3302, 0.2698



8.0398, 0.3097, 0.3064



5.5702, 0.2558, 0.1183



0.1796, 0.2765, 0.1297

Previews

White Background



This preview shows how the Yxy color 35.3394, 0.3210, 0.4147 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 35.3394, 0.3210, 0.4147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

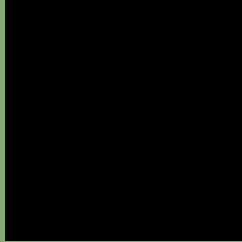
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.3394, 0.3210, 0.4147

Background



This preview shows how black text looks on a background with the Yxy color 35.3394, 0.3210, 0.4147.



This preview shows how white text looks on a background with the Yxy color 35.3394, 0.3210, 0.4147.

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

35.3394, 0.3210, 0.4147

Protanopia

35.1045, 0.3686, 0.3973

Deuteranopia

34.8790, 0.3800, 0.3719



Tritanopia

35.4760, 0.2825, 0.3096

Trichromacy



Original Color

35.3394, 0.3210, 0.4147

Protanomaly

34.9568, 0.3496, 0.4036

Deuteranomaly

34.8469, 0.3569, 0.3866

Tritanomaly

35.4410, 0.2958, 0.3460

Monochromacy



Original Color

35.3394, 0.3210, 0.4147

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

33.0548, 0.3160, 0.3605

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3394, 0.3210, 0.4147 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(132, 171, 118)` looks like.

```
.text, #text, p{  
    color:rgb(132, 171, 118)  
}
```

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(132, 171, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 171, 118) }
```

Border

The CSS property to change the border of an element to Yxy 35.3394, 0.3210, 0.4147 is called "border". The border property can be set on classes, ids or directly on the HTML element.

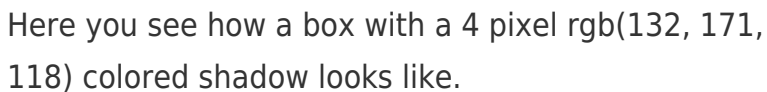
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(132, 171, 118) }
```

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

```
.border{ border-color:rgb(132, 171, 118) }
```

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



Here you see how a box with a 4 pixel `rgb(132, 171, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(132, 171, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(132, 171, 118); box-shadow:4px 4px 4px 4px rgb(132, 171, 118) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3394, 0.3210, 0.4147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 171, 118) }
```

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

```
.background{ background-color: rgb(132,  
171, 118) }
```

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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