

Converting Colors

$Y_{xy}(35.3239, 0.3118, 0.4137)$

Have a look what the booklet for
Yxy(35.3239, 0.3118, 0.4137)
contains.

Yxy(35.1706, 0.3113, 0.4130)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(35.1706, 0.3113, 0.4130)

Conversions

Conversions Part 1

Format	Color
Hex	7CAC79
RGB	124, 172, 121
RGB Percent	49%, 67%, 47%
CMY	0.5139, 0.3254, 0.5255
CMYK	0.28, 0.00, 0.30, 0.33
HSL	117°, 24%, 57%
HSV	117°, 30%, 67%
XYZ	26.5099, 35.1706, 23.4783
YIQ	151.8340, -12.2370, -26.0370

Conversions

Conversions Part 2

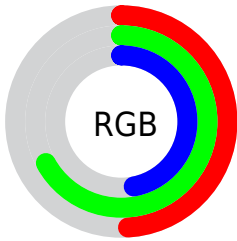
Format	Color
RYB	121, 172, 169
Decimal	8170617
CIELab	65.88, -26.25, 21.24
CIELCh	66, 33.772, 141.021
Yxy	35.1706, 0.3113, 0.4130
Android (android.graphics.Color)	4286360697 (0xFF7CAC79)
YUV	151.8340, -15.2012, -24.4104
Hunter-Lab	59.3048, -23.9918, 18.0409

Details

The Yxy color **35.1706, 0.3113, 0.4130** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **25.0943, 0.3128, 0.2560**, and the grayscale version is **31.3909, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.0078, 0.3123, 0.3952**, and **15.0780, 0.3085, 0.4424** is the 20% darker color. If you saturate the color by 10%, you get **33.6778, 0.3104, 0.4468**, and if you desaturate by 10%, it is **36.9400, 0.3120, 0.3816**.

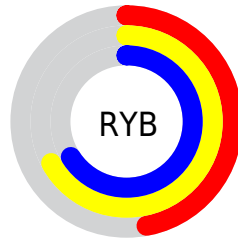
Distribution



Red (49%)

Green (67%)

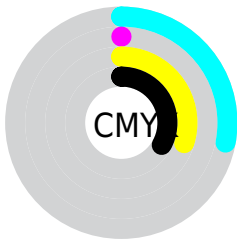
Blue (47%)



Red (47%)

Yellow (67%)

Blue (66%)

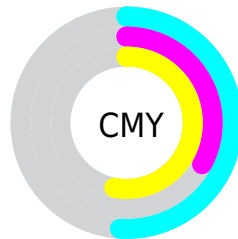


Cyan (28%)

Magenta (0%)

Yellow (30%)

Black (33%)



Cyan (51%)


Magenta (33%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.1706, 0.3113, 0.4130 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 35.1706, 0.3113, 0.4130 by changing the saturation by 10% instead.


 35.1706, 0.3113,
0.4130


 35.1706, 0.3113,
0.4130


325.3207, 0.3131,
0.3671

 23.7943, 0.3104,
0.4259


 67.7500, 0.3123,
0.3953

 15.1811, 0.3088,
0.4433


 89.7219, 0.3126,
0.3890

 8.9466, 0.3059,
0.4681


 115.9944, 0.3127,
0.3838

 4.7064, 0.3002,
0.5061

146.9520, 0.3129,
0.3794

 2.0760, 0.2943,
0.5848

182.9790, 0.3130,
0.3756

 0.6511, 0.0000,
1.0000

224.4599, 0.3130,

 0.0000, 0.0000,

0.3724

0.0000

271.7790, 0.3131,
0.3696

■ 35.1706, 0.3113,
0.4130

■ 35.1706, 0.3113,
0.4130

■ 33.6778, 0.3104,
0.4468

■ 36.9400, 0.3120,
0.3816

■ 32.4435, 0.3092,
0.4816

■ 38.9943, 0.3124,
0.3533

■ 31.4543, 0.3077,
0.5156

■ 41.3469, 0.3127,
0.3282

■ 30.6938, 0.3060,
0.5464

■ 44.0090, 0.3129,
0.3063

■ 30.1437, 0.3043,
0.5714

■ 46.9913, 0.3129,
0.2873

■ 29.7826, 0.3025,
0.5886

■ 50.3040, 0.3129,
0.2708

■ 29.5796, 0.3014,
0.5986

■ 53.9568, 0.3128,
0.2567

■ 29.5748, 0.3013,
0.5989

■ 57.7245, 0.3154,
0.2476

■ 57.9905, 0.3165,
0.2479

Harmonies

Analogous

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



35.1706, 0.3617, 0.4226



35.1706, 0.3113, 0.4130



35.1706, 0.2636, 0.3736

Triad

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



35.1706, 0.3113, 0.4130



35.1706, 0.2291, 0.2521



35.1706, 0.4014, 0.3267

Complementary

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



35.1706, 0.3113, 0.4130



25.0943, 0.3128, 0.2560

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.



35.1706, 0.3600, 0.2889



35.1706, 0.3113, 0.4130



35.1706, 0.2600, 0.2472

Square

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



35.1706, 0.3113, 0.4130



35.1706, 0.2188, 0.2774



35.1706, 0.3072, 0.2606



35.1706, 0.4164, 0.3676

Rectangle

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



35.1706, 0.3113, 0.4130



35.1706, 0.2395, 0.3387



35.1706, 0.3072, 0.2606



35.1706, 0.3900, 0.3134

Sweetspot

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



35.1721, 0.3113, 0.4130



70.9283, 0.3125, 0.3520



38.3848, 0.3579, 0.3972



15.2920, 0.3124, 0.3557



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.



35.1721, 0.3113, 0.4130



61.8517, 0.3107, 0.4364



35.5614, 0.2918, 0.3759



8.9607, 0.3125, 0.3524



22.0128, 0.3016, 0.5987



0.6194, 0.3085, 0.5933

Inverse Universe

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



25.0943, 0.3128, 0.2560



40.4064, 0.3126, 0.2390



24.6447, 0.3412, 0.2865



8.1241, 0.3129, 0.3066



7.9443, 0.3067, 0.1463



0.2280, 0.3113, 0.1488

Previews

White Background



This preview shows how the Yxy color 35.1706, 0.3113, 0.4130 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 35.1706, 0.3113, 0.4130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

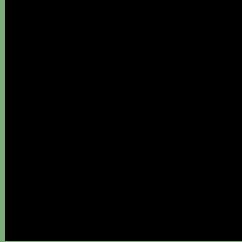
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.1706, 0.3113, 0.4130

Background



This preview shows how black text looks on a background with the Yxy color 35.1706, 0.3113, 0.4130.



This preview shows how white text looks on a background with the Yxy color 35.1706, 0.3113, 0.4130.

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

35.1706, 0.3113, 0.4130

Protanopia

34.8047, 0.3672, 0.3931

Deuteranopia

34.8279, 0.3759, 0.3679



Tritanopia

35.1930, 0.2753, 0.3093

Trichromacy



Original Color

35.1706, 0.3113, 0.4130

Protanomaly

34.8038, 0.3458, 0.4011

Deuteranomaly

34.4894, 0.3499, 0.3829

Tritanomaly

35.1854, 0.2883, 0.3462

Monochromacy



Original Color

35.1706, 0.3113, 0.4130

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.4701, 0.3123, 0.3576

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1706, 0.3113, 0.4130 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(124, 172, 121)` looks like.

```
.text, #text, p{  
    color:rgb(124, 172, 121)  
}
```

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(124, 172, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 172, 121) }
```

Border

The CSS property to change the border of an element to Yxy 35.1706, 0.3113, 0.4130 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(124, 172, 121) }
```

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

```
.border{ border-color:rgb(124, 172, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 172, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 172, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 172, 121);  
box-shadow:4px 4px 4px 4px rgb(124, 172,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1706, 0.3113, 0.4130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 172, 121) }
```

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

```
.background{ background-color: rgb(124,  
172, 121) }
```

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