

Converting Colors

$Yxy(48.2893, 0.3115, 0.4166)$

Have a look what the booklet for
Yxy(48.2893, 0.3115, 0.4166)
contains.

Yxy(48.4326, 0.3115, 0.4172)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.4326, 0.3115, 0.4172)

Conversions

Conversions Part 1

Format	Color
Hex	8EC78A
RGB	142, 199, 138
RGB Percent	56%, 78%, 54%
CMY	0.4433, 0.2196, 0.4587
CMYK	0.29, 0.00, 0.31, 0.22
HSL	116°, 35%, 66%
HSV	116°, 31%, 78%
XYZ	36.1619, 48.4326, 31.4951
YIQ	175.0030, -14.3910, -31.0550

Conversions

Conversions Part 2

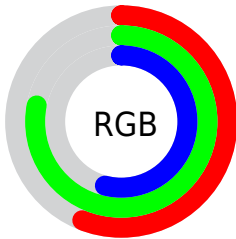
Format	Color
RYB	138, 199, 195
Decimal	9357194
CIELab	75.10, -30.35, 24.79
CIElCh	75, 39.194, 140.756
Yxy	48.4326, 0.3115, 0.4172
Android (android.graphics.Color)	4287547274 (0xFF8EC78A)
YUV	175.0030, -18.2425, -28.9436
Hunter-Lab	69.5935, -29.0372, 21.8833

Details

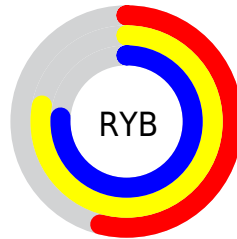
The Yxy color **48.4326, 0.3115, 0.4172** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **33.9197, 0.3124, 0.2527**, and the grayscale version is **42.9706, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1961, 0.3124, 0.3989**, and **23.1126, 0.3100, 0.4461** is the 20% darker color. If you saturate the color by 10%, you get **46.3990, 0.3106, 0.4515**, and if you desaturate by 10%, it is **50.8509, 0.3121, 0.3852**.

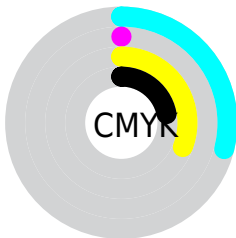
Distribution



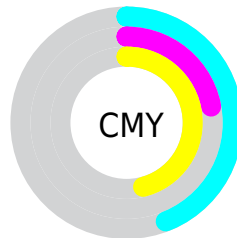
- Red (56%)
- Green (78%)
- Blue (54%)



- Red (54%)
- Yellow (78%)
- Blue (76%)



- Cyan (29%)
- Magenta (0%)
- Yellow (31%)
- Black (22%)





- Cyan (44%)
- Magenta (22%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.4326, 0.3115, 0.4172 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 48.4326, 0.3115, 0.4172 by changing the saturation by 10% instead.

 48.4326, 0.3115,
0.4172

 48.4326, 0.3115,
0.4172


380.5043, 0.3133,
0.3713

 34.1696, 0.3106,
0.4292


 87.8482, 0.3125,
0.4001

 23.0239, 0.3092,
0.4449


 113.7695, 0.3127,
0.3938

 14.6112, 0.3069,
0.4662


 144.3457, 0.3129,
0.3885

 8.5470, 0.3026,
0.4967

179.9613, 0.3131,
0.3841

 4.4469, 0.2939,
0.5435

221.0005, 0.3132,
0.3802

 1.9265, 0.2963,
0.6735

267.8478, 0.3132,

 0.5643, 0.0000,

0.3768

1.0000

320.8876, 0.3133,
0.3739

0.0000, 0.0000,
0.0000

48.4326, 0.3115,
0.4172

48.4326, 0.3115,
0.4172

46.3990, 0.3106,
0.4515

50.8509, 0.3121,
0.3852

44.7245, 0.3094,
0.4867

53.6659, 0.3125,
0.3562

43.3901, 0.3079,
0.5206


56.8964, 0.3127,
0.3305


42.3724, 0.3062,
0.5509


60.5583, 0.3128,
0.3081


41.6451, 0.3043,
0.5749

64.6668, 0.3127,
0.2886

 41.1776, 0.3025,
0.5908

 69.0787, 0.3143,
0.2740

 40.9363, 0.3013,
0.5990

 69.3320, 0.3153,
0.2742

Harmonies

Analogous

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



48.4326, 0.3640, 0.4267



48.4326, 0.3115, 0.4172



48.4326, 0.2618, 0.3760

Triad

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



48.4326, 0.3115, 0.4172



48.4326, 0.2256, 0.2492



48.4326, 0.4050, 0.3261

Complementary

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



48.4326, 0.3115, 0.4172



33.9197, 0.3124, 0.2527

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.



48.4326, 0.3615, 0.2869



48.4326, 0.3115, 0.4172



48.4326, 0.2574, 0.2440

Square

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



48.4326, 0.3115, 0.4172



48.4326, 0.2152, 0.2754



48.4326, 0.3064, 0.2578



48.4326, 0.4209, 0.3685

Rectangle

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



48.4326, 0.3115, 0.4172



48.4326, 0.2368, 0.3395



48.4326, 0.3064, 0.2578



48.4326, 0.3930, 0.3123

Sweetspot

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



48.4347, 0.3115, 0.4172



94.7622, 0.3125, 0.3521



52.9849, 0.3599, 0.4002



20.1141, 0.3125, 0.3561



0.0000, 0.0000, 0.0000



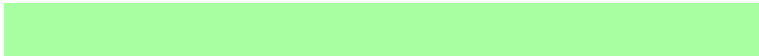
21.4041, 0.3127, 0.3290

Same Dimension

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



48.4347, 0.3115, 0.4172



82.2678, 0.3109, 0.4407



48.9538, 0.2910, 0.3783



11.9200, 0.3125, 0.3528



26.3335, 0.3016, 0.5987



1.2585, 0.3072, 0.5943

Inverse Universe

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



33.9197, 0.3124, 0.2527



52.7112, 0.3120, 0.2358



33.3281, 0.3428, 0.2846



10.7804, 0.3128, 0.3062



9.3917, 0.3049, 0.1454



0.4555, 0.3085, 0.1473

Previews

White Background



This preview shows how the Yxy color 48.4326, 0.3115, 0.4172 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 48.4326, 0.3115, 0.4172 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 48.4326, 0.3115, 0.4172

Background



This preview shows how black text looks on a background with the Yxy color 48.4326, 0.3115, 0.4172.



This preview shows how white text looks on a background with the Yxy color 48.4326, 0.3115, 0.4172.

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

48.4326, 0.3115, 0.4172

Protanopia

47.9527, 0.3677, 0.3954

Deuteranopia

48.0264, 0.3778, 0.3703



Tritanopia

48.1532, 0.2741, 0.3078

Trichromacy



Original Color

48.4326, 0.3115, 0.4172



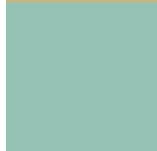
Protanomaly

47.5814, 0.3462, 0.4031



Deuteranomaly

47.4398, 0.3517, 0.3867



Tritanomaly

47.9602, 0.2881, 0.3455

Monochromacy



Original Color

48.4326, 0.3115, 0.4172



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

44.6761, 0.3121, 0.3597

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4326, 0.3115, 0.4172 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, 199, 138)` looks like.

```
.text, #text, p{  
    color:rgb(142, 199, 138)  
}
```

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, 199, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 199, 138) }
```

Border

The CSS property to change the border of an element to Yxy 48.4326, 0.3115, 0.4172 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, 199, 138) }
```

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

```
.border{ border-color:rgb(142, 199, 138) }
```

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

Here you see how a box with a 4 pixel rgb(142, 199, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 199, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 199, 138);  
box-shadow:4px 4px 4px 4px rgb(142, 199,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4326, 0.3115, 0.4172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 199, 138) }
```

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

```
.background{ background-color: rgb(142,  
199, 138) }
```

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