

Converting Colors

$Yxy(48.0265, 0.3162, 0.4218)$

Have a look what the booklet for
Yxy(48.0265, 0.3162, 0.4218)
contains.

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Color

Yxy(48.0387, 0.3159, 0.4215)

Conversions

Conversions Part 1

Format	Color
Hex	90C686
RGB	144, 198, 134
RGB Percent	56%, 78%, 53%
CMY	0.4351, 0.2235, 0.4745
CMYK	0.27, 0.00, 0.32, 0.22
HSL	111°, 36%, 65%
HSV	111°, 32%, 78%
XYZ	36.0034, 48.0387, 29.9287
YIQ	174.5580, -11.6400, -31.3520

Conversions

Conversions Part 2

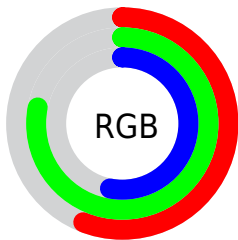
Format	Color
RYB	134, 198, 188
Decimal	9488006
CIELab	74.85, -29.82, 26.60
CIELCh	75, 39.956, 138.266
Yxy	48.0387, 0.3159, 0.4215
Android (android.graphics.Color)	4287678086 (0xFF90C686)
YUV	174.5580, -19.9951, -26.7994
Hunter-Lab	69.3100, -28.5698, 22.9150

Details

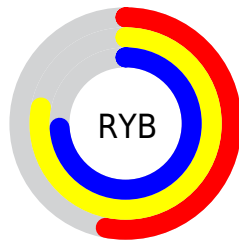
The Yxy color **48.0387, 0.3159, 0.4215** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **31.8141, 0.3064, 0.2471**, and the grayscale version is **42.7437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2930, 0.3159, 0.4032**, and **22.8619, 0.3147, 0.4500** is the 20% darker color. If you saturate the color by 10%, you get **46.1447, 0.3161, 0.4551**, and if you desaturate by 10%, it is **50.2626, 0.3152, 0.3898**.

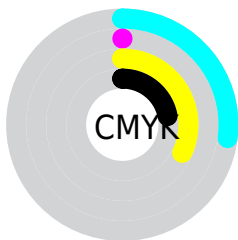
Distribution



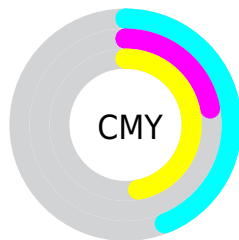
- Red (56%)
- Green (78%)
- Blue (53%)



- Red (53%)
- Yellow (78%)
- Blue (74%)



- Cyan (27%)
- Magenta (0%)
- Yellow (32%)
- Black (22%)




- Cyan (44%)
- Magenta (22%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0387, 0.3159, 0.4215 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 48.0387, 0.3159, 0.4215 by changing the saturation by 10% instead.


 48.0387, 0.3159,
0.4215

 48.0387, 0.3159,
0.4215


378.9455, 0.3156,
0.3733

 33.8575, 0.3155,
0.4341


 87.2620, 0.3161,
0.4036

 22.7842, 0.3146,
0.4505


 113.0730, 0.3161,
0.3969

 14.4342, 0.3129,
0.4729


 143.5293, 0.3161,
0.3914

 8.4233, 0.3094,
0.5048

179.0154, 0.3160,
0.3867

 4.3670, 0.3014,
0.5533

219.9157, 0.3159,
0.3826

 1.8809, 0.3073,
0.6927

266.6145, 0.3158,

 0.5369, 0.0000,

0.3791

1.0000

319.4963, 0.3157,
0.3760

0.0000, 0.0000,
0.0000

48.0387, 0.3159,
0.4215

48.0387, 0.3159,
0.4215

46.1447, 0.3161,
0.4551

50.2626, 0.3152,
0.3898

44.5589, 0.3156,
0.4893

52.8246, 0.3142,
0.3607

43.2666, 0.3144,
0.5220


55.7404, 0.3130,
0.3346

42.2493, 0.3124,
0.5509


59.0228, 0.3117,
0.3116


41.4865, 0.3097,
0.5738

62.6841, 0.3103,
0.2914

 40.9545, 0.3066,
0.5892

 66.7358, 0.3089,
0.2739

 40.6790, 0.3044,
0.5965

 68.8669, 0.3153,
0.2732

Harmonies

Analogous

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



48.0387, 0.3691, 0.4281



48.0387, 0.3159, 0.4215



48.0387, 0.2644, 0.3815

Triad

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



48.0387, 0.3159, 0.4215



48.0387, 0.2221, 0.2489



48.0387, 0.4043, 0.3223

Complementary

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



48.0387, 0.3159, 0.4215



31.8141, 0.3064, 0.2471

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.



48.0387, 0.3581, 0.2831



48.0387, 0.3159, 0.4215



48.0387, 0.2528, 0.2420

Square

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



48.0387, 0.3159, 0.4215



48.0387, 0.2134, 0.2773



48.0387, 0.3016, 0.2546



48.0387, 0.4232, 0.3656

Rectangle

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



48.0387, 0.3159, 0.4215



48.0387, 0.2378, 0.3444



48.0387, 0.3016, 0.2546



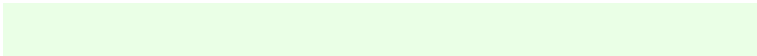
48.0387, 0.3913, 0.3085

Sweetspot

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



48.0407, 0.3159, 0.4215



94.6128, 0.3140, 0.3548



49.4080, 0.3648, 0.3967



20.1003, 0.3142, 0.3586



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.



48.0407, 0.3159, 0.4215



82.5794, 0.3161, 0.4458



47.8331, 0.2941, 0.3911



11.9664, 0.3139, 0.3527



26.4798, 0.3050, 0.5961



1.2798, 0.3171, 0.5865

Inverse Universe

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



31.8141, 0.3064, 0.2471



49.2674, 0.3044, 0.2286



32.2169, 0.3381, 0.2742



10.7292, 0.3113, 0.3061



8.0214, 0.2819, 0.1327



0.4031, 0.2905, 0.1374

Previews

White Background



This preview shows how the Yxy color 48.0387, 0.3159, 0.4215 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 48.0387, 0.3159, 0.4215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

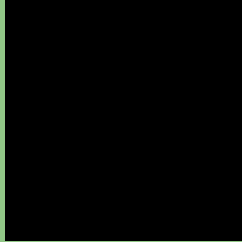
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.0387, 0.3159, 0.4215

Background



This preview shows how black text looks on a background with the Yxy color 48.0387, 0.3159, 0.4215.

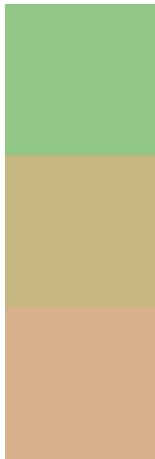


This preview shows how white text looks on a background with the Yxy color 48.0387, 0.3159, 0.4215.

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

48.0387, 0.3159, 0.4215

Protanopia

47.4313, 0.3714, 0.3992

Deuteranopia

47.5137, 0.3817, 0.3740



Tritanopia

47.8227, 0.2767, 0.3091

Trichromacy



Original Color

48.0387, 0.3159, 0.4215

Protanomaly

47.0431, 0.3496, 0.4073

Deuteranomaly

47.0343, 0.3562, 0.3906

Tritanomaly

47.6293, 0.2909, 0.3469

Monochromacy



Original Color

48.0387, 0.3159, 0.4215

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.2976, 0.3146, 0.3611

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0387, 0.3159, 0.4215 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(144, 198, 134)` looks like.

```
.text, #text, p{  
    color:rgb(144, 198, 134)  
}
```

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(144, 198, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 198, 134) }
```

Border

The CSS property to change the border of an element to Yxy 48.0387, 0.3159, 0.4215 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(144, 198, 134) }
```

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

```
.border{ border-color:rgb(144, 198, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 198, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 198, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 198, 134);  
box-shadow:4px 4px 4px 4px rgb(144, 198,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0387, 0.3159, 0.4215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 198, 134) }
```

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

```
.background{ background-color: rgb(144,  
198, 134) }
```

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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