

Converting Colors

$Yxy(48.5115, 0.3007, 0.4113)$

Have a look what the booklet for
Yxy(48.5115, 0.3007, 0.4113)
contains.

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Color

Yxy(48.3087, 0.3009, 0.4111)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 85C890 |
| RGB | 133, 200, 144 |
| RGB Percent | 52%, 78%, 56% |
| CMY | 0.4785, 0.2157, 0.4353 |
| CMYK | 0.34, 0.00, 0.28, 0.22 |
| HSL | 130°, 38%, 65% |
| HSV | 130°, 34%, 78% |
| XYZ | 35.3590, 48.3087, 33.8431 |
| YIQ | 173.5830, -21.9560, -31.6200 |

Conversions

Conversions Part 2

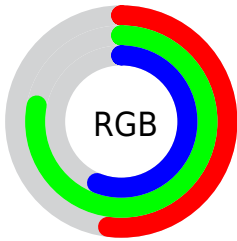
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 133, 191, 200 |
| Decimal | 8767632 |
| CIELab | 75.02, -32.72, 21.45 |
| CIElCh | 75, 39.126, 146.750 |
| Yxy | 48.3087, 0.3009, 0.4111 |
| Android (android.graphics.Color) | 4286957712 (0xFF85C890) |
| YUV | 173.5830, -14.5844, -35.5913 |
| Hunter-Lab | 69.5045, -30.8245, 19.7836 |

Details

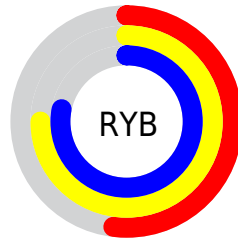
The Yxy color **48.3087, 0.3009, 0.4111** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.7260, 0.3275, 0.2589**, and the grayscale version is **42.1862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2886, 0.3038, 0.3930**, and **23.0536, 0.2959, 0.4383** is the 20% darker color. If you saturate the color by 10%, you get **46.3612, 0.2978, 0.4409**, and if you desaturate by 10%, it is **50.6459, 0.3043, 0.3834**.

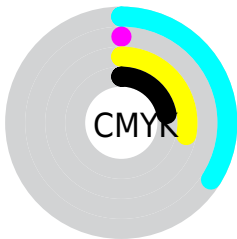
Distribution



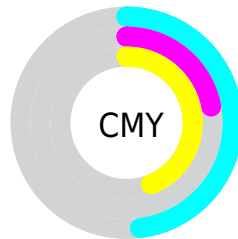
- Red (52%)
- Green (78%)
- Blue (56%)



- Red (52%)
- Yellow (75%)
- Blue (78%)



- Cyan (34%)
- Magenta (0%)
- Yellow (28%)
- Black (22%)




- Cyan (48%)
- Magenta (22%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.3087, 0.3009, 0.4111 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 48.3087, 0.3009, 0.4111 by changing the saturation by 10% instead.


 48.3087, 0.3009,
0.4111


 48.3087, 0.3009,
0.4111


380.0144, 0.3078,
0.3683


 34.0714, 0.2988,
0.4223


 87.6638, 0.3037,
0.3951

 22.9485, 0.2959,
0.4371


 113.5505, 0.3046,
0.3893

 14.5555, 0.2917,
0.4572


 144.0891, 0.3054,
0.3843

 8.5080, 0.2850,
0.4862

179.6640, 0.3061,
0.3802

 4.4217, 0.2732,
0.5312

220.6595, 0.3066,
0.3766

 1.9121, 0.2602,
0.6365

267.4602, 0.3071,

 0.5557, 0.0000,

0.3735

1.0000

320.4504, 0.3075,
0.3707

0.0000, 0.0000,
0.0000

48.3087, 0.3009,
0.4111

48.3087, 0.3009,
0.4111

46.3612, 0.2978,
0.4409

50.6459, 0.3043,
0.3834

44.7763, 0.2953,
0.4720

53.3861, 0.3079,
0.3584

43.5331, 0.2936,
0.5029


56.5493, 0.3115,
0.3362

42.6059, 0.2930,
0.5319


60.1524, 0.3150,
0.3166

41.9655, 0.2935,
0.5570

64.2117, 0.3183,
0.2996

 41.5768, 0.2950,
0.5766

 68.7421, 0.3213,
0.2849

 41.4208, 0.2961,
0.5861

 69.7918, 0.3152,
0.2752

Harmonies

Analogous

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



48.3087, 0.3540, 0.4274



48.3087, 0.3009, 0.4111



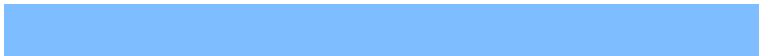
48.3087, 0.2535, 0.3653

Triad

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



48.3087, 0.3009, 0.4111



48.3087, 0.2304, 0.2466



48.3087, 0.4107, 0.3345

Complementary

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



48.3087, 0.3009, 0.4111



32.7260, 0.3275, 0.2589

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.



48.3087, 0.3717, 0.2942



48.3087, 0.3009, 0.4111



48.3087, 0.2661, 0.2454

Square

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



48.3087, 0.3009, 0.4111



48.3087, 0.2156, 0.2685



48.3087, 0.3174, 0.2626



48.3087, 0.4200, 0.3767

Rectangle

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



48.3087, 0.3009, 0.4111



48.3087, 0.2310, 0.3285



48.3087, 0.3174, 0.2626



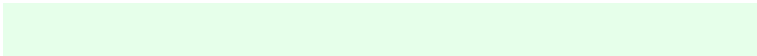
48.3087, 0.4005, 0.3205

Sweetspot

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



48.3107, 0.3009, 0.4111



94.1830, 0.3091, 0.3506



53.9461, 0.3541, 0.4142



19.9973, 0.3086, 0.3539



0.0000, 0.0000, 0.0000



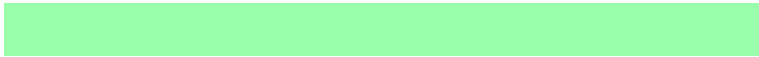
21.4041, 0.3127, 0.3290

Same Dimension

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



48.3107, 0.3009, 0.4111



81.1852, 0.2987, 0.4320



49.4537, 0.2799, 0.3621



11.9158, 0.3094, 0.3489



26.3437, 0.2957, 0.5844



1.2565, 0.2860, 0.5494

Inverse Universe

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



32.7260, 0.3275, 0.2589



50.2301, 0.3314, 0.2444



31.4672, 0.3628, 0.2985



10.7855, 0.3162, 0.3099



9.5966, 0.3669, 0.1795



0.4626, 0.3558, 0.1733

Previews

White Background



This preview shows how the Yxy color 48.3087, 0.3009, 0.4111 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 48.3087, 0.3009, 0.4111 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 48.3087, 0.3009, 0.4111

Background



This preview shows how black text looks on a background with the Yxy color 48.3087, 0.3009, 0.4111.



This preview shows how white text looks on a background with the Yxy color 48.3087, 0.3009, 0.4111.

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

48.3087, 0.3009, 0.4111

Protanopia

47.9574, 0.3627, 0.3892

Deuteranopia

47.9103, 0.3706, 0.3632



Tritanopia

48.2240, 0.2676, 0.3088

Trichromacy



Original Color

48.3087, 0.3009, 0.4111

Protanomaly

47.7190, 0.3378, 0.3970

Deuteranomaly

47.1188, 0.3432, 0.3794

Tritanomaly

48.1536, 0.2799, 0.3442

Monochromacy



Original Color

48.3087, 0.3009, 0.4111

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.8822, 0.3080, 0.3572

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3087, 0.3009, 0.4111 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(133, 200, 144)` looks like.

```
.text, #text, p{  
    color:rgb(133, 200, 144)  
}
```

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(133, 200, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 200, 144) }
```

Border

The CSS property to change the border of an element to Yxy 48.3087, 0.3009, 0.4111 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(133, 200, 144) }
```

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

```
.border{ border-color:rgb(133, 200, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 200, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 200, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 200, 144);  
box-shadow:4px 4px 4px 4px rgb(133, 200,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3087, 0.3009, 0.4111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 200, 144) }
```

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

```
.background{ background-color: rgb(133,  
200, 144) }
```

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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