

# Converting Colors

$Yxy(48.5279, 0.3090, 0.4247)$

Have a look what the booklet for  
Yxy(48.5279, 0.3090, 0.4247)  
contains.

<b>Yxy(48.2921, 0.3090, 0.4241)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(48.2921, 0.3090, 0.4241)**

# Conversions

## Conversions Part 1

Format	Color
Hex	88C887
RGB	136, 200, 135
RGB Percent	53%, 78%, 53%
CMY	0.4665, 0.2157, 0.4705
CMYK	0.32, 0.00, 0.32, 0.22
HSL	119°, 37%, 66%
HSV	119°, 32%, 78%
XYZ	35.1857, 48.2921, 30.3918
YIQ	173.4540, -17.2790, -33.7830

# Conversions

## Conversions Part 2

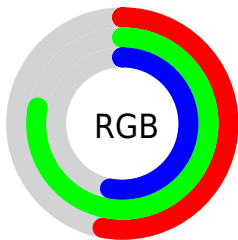
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">135, 200, 199</a>
Decimal	<a href="#">8964231</a>
CIELab	<a href="#">75.01, -33.26, 26.21</a>
CIELCh	<a href="#">75, 42.347, 141.769</a>
Yxy	<a href="#">48.2921, 0.3090, 0.4241</a>
Android (android.graphics.Color)	<a href="#">4287154311 (0xFF88C887)</a>
YUV	<a href="#">173.4540, -18.9578, -32.8472</a>
Hunter-Lab	<a href="#">69.4925, -31.2331, 22.7149</a>

# Details

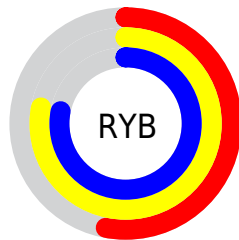
The Yxy color **48.2921, 0.3090, 0.4241** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **33.6391, 0.3154, 0.2489**, and the grayscale version is **42.1437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2705, 0.3104, 0.4031**, and **23.0526, 0.3050, 0.4541** is the 20% darker color. If you saturate the color by 10%, you get **46.2825, 0.3075, 0.4591**, and if you desaturate by 10%, it is **50.7142, 0.3103, 0.3912**.

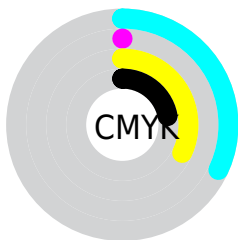
# Distribution



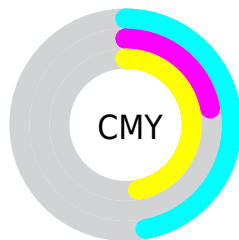
- Red (53%)
- Green (78%)
- Blue (53%)



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



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




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.2921, 0.3090, 0.4241 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 48.2921, 0.3090, 0.4241 by changing the saturation by 10% instead.





 48.2921, 0.3090,  
0.4241

 48.2921, 0.3090,  
0.4241

379.9488, 0.3123,  
0.3744


 34.0583, 0.3077,  
0.4371


 87.6392, 0.3105,  
0.4056

 22.9384, 0.3057,  
0.4542


 113.5212, 0.3110,  
0.3987

 14.5480, 0.3025,  
0.4775


 144.0547, 0.3114,  
0.3930

 8.5028, 0.2968,  
0.5108

179.6241, 0.3116,  
0.3882

 4.4183, 0.2857,  
0.5618

220.6138, 0.3118,  
0.3840

 1.9102, 0.2866,  
0.7134

267.4083, 0.3120,

 0.5545, 0.0000,

0.3804

1.0000

320.3918, 0.3121,  
0.3772

0.0000, 0.0000,  
0.0000

48.2921, 0.3090,  
0.4241

48.2921, 0.3090,  
0.4241

46.2825, 0.3075,  
0.4591

50.7142, 0.3103,  
0.3912

44.6569, 0.3059,  
0.4947

53.5636, 0.3115,  
0.3614

43.3926, 0.3043,  
0.5286


56.8617, 0.3125,  
0.3350

42.4619, 0.3028,  
0.5579


60.6267, 0.3133,  
0.3120

41.8335, 0.3016,  
0.5802

64.8757, 0.3140,  
0.2922

 41.4697, 0.3007,  
0.5940

 69.6245, 0.3146,  
0.2751

 41.3276, 0.3003,  
0.5998

 69.7872, 0.3152,  
0.2752

# Harmonies

## Analogous

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



48.2921, 0.3657, 0.4350



48.2921, 0.3090, 0.4241



48.2921, 0.2561, 0.3781

# Triad

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



48.2921, 0.3090, 0.4241



48.2921, 0.2200, 0.2426



48.2921, 0.4138, 0.3269

# Complementary

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



48.2921, 0.3090, 0.4241



33.6391, 0.3154, 0.2489

# 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.



48.2921, 0.3673, 0.2850



48.2921, 0.3090, 0.4241



48.2921, 0.2546, 0.2381

# Square

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



48.2921, 0.3090, 0.4241



48.2921, 0.2082, 0.2695



48.2921, 0.3077, 0.2536



48.2921, 0.4295, 0.3722



# Rectangle

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



48.2921, 0.3090, 0.4241



48.2921, 0.2298, 0.3380



48.2921, 0.3077, 0.2536



48.2921, 0.4011, 0.3122

# Sweetspot

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



48.2941, 0.3090, 0.4241



94.0120, 0.3117, 0.3549



54.8358, 0.3616, 0.4081



19.9563, 0.3116, 0.3589



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

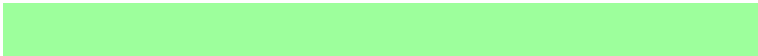


# Same Dimension

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



48.2941, 0.3090, 0.4241



81.0853, 0.3080, 0.4487



49.2277, 0.2877, 0.3769



11.8957, 0.3118, 0.3529



26.2821, 0.3004, 0.5997



1.2473, 0.3018, 0.5986



# Inverse Universe

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



33.6391, 0.3154, 0.2489



51.8095, 0.3159, 0.2321



32.4590, 0.3487, 0.2858



10.8078, 0.3135, 0.3062



10.1894, 0.3170, 0.1520



0.4853, 0.3179, 0.1525



# Previews

## White Background



This preview shows how the Yxy color 48.2921, 0.3090, 0.4241 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 48.2921, 0.3090, 0.4241 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 48.2921, 0.3090, 0.4241**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.2921, 0.3090, 0.4241.

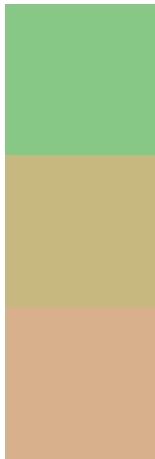


This preview shows how white text looks on a background with the Yxy color 48.2921, 0.3090, 0.4241.

# 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

48.2921, 0.3090, 0.4241

### Protanopia

47.9816, 0.3719, 0.4002

### Deuteranopia

47.5430, 0.3809, 0.3727



## Tritanopia

48.1074, 0.2708, 0.3089

# Trichromacy



## Original Color

48.2921, 0.3090, 0.4241

## Protanomaly

47.6957, 0.3464, 0.4088

## Deuteranomaly

47.0977, 0.3523, 0.3911

## Tritanomaly

47.8082, 0.2845, 0.3485

# Monochromacy



## Original Color

48.2921, 0.3090, 0.4241

## Achromatopsia

41.7885, 0.3127, 0.3290

## Achromatomaly

43.8438, 0.3120, 0.3629

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.2921, 0.3090, 0.4241 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(136, 200, 135)` looks like.

```
.text, #text, p{  
    color:rgb(136, 200, 135)  
}
```

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(136, 200, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 200, 135) }
```

## Border

The CSS property to change the border of an element to Yxy 48.2921, 0.3090, 0.4241 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(136, 200, 135) }
```

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

```
.border{ border-color:rgb(136, 200, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 200, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 200, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 200, 135);  
box-shadow:4px 4px 4px 4px rgb(136, 200,  
135) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.2921, 0.3090, 0.4241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 200, 135) }
```

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

```
.background{ background-color: rgb(136,  
200, 135) }
```

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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