

# Converting Colors

Yxy(47.8971, 0.3030, 0.4304)

Have a look what the booklet for  
Yxy(47.8971, 0.3030, 0.4304)  
contains.

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# Color

**Yxy(47.9024, 0.3030, 0.4304)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7EC985
RGB	126, 201, 133
RGB Percent	49%, 79%, 52%
CMY	0.5060, 0.2117, 0.4783
CMYK	0.37, 0.00, 0.34, 0.21
HSL	126°, 41%, 64%
HSV	126°, 37%, 79%
XYZ	33.7231, 47.9024, 29.6719
YIQ	170.8230, -22.8720, -37.0480

# Conversions

## Conversions Part 2

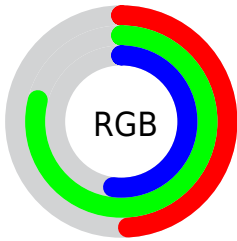
Format	Color
<a href="#">RYB</a>	<a href="#">126, 195, 201</a>
Decimal	<a href="#">8309125</a>
CIELab	<a href="#">74.76, -37.25, 26.82</a>
CIELCh	<a href="#">75, 45.903, 144.244</a>
Yxy	<a href="#">47.9024, 0.3030, 0.4304</a>
Android (android.graphics.Color)	<a href="#">4286499205 (0xFF7EC985)</a>
YUV	<a href="#">170.8230, -18.6467, -39.3098</a>
Hunter-Lab	<a href="#">69.2116, -34.1467, 23.0297</a>

# Details

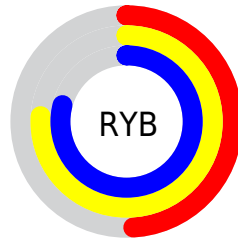
The Yxy color **47.9024, 0.3030, 0.4304** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **31.2250, 0.3241, 0.2452**, and the grayscale version is **40.7343, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9316, 0.3055, 0.4068**, and **22.5600, 0.2971, 0.4619** is the 20% darker color. If you saturate the color by 10%, you get **46.0666, 0.3007, 0.4632**, and if you desaturate by 10%, it is **50.1364, 0.3056, 0.3994**.

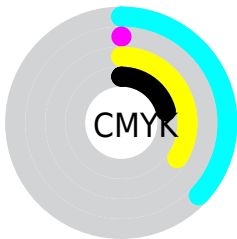
# Distribution



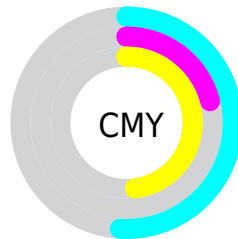
- Red (49%)
- Green (79%)
- Blue (52%)



- Red (49%)
- Yellow (76%)
- Blue (79%)



- Cyan (37%)
- Magenta (0%)
- Yellow (34%)
- Black (21%)




- Cyan (51%)
- Magenta (21%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.9024, 0.3030, 0.4304 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 47.9024, 0.3030, 0.4304 by changing the saturation by 10% instead.





 47.9024, 0.3030,  
0.4304


 47.9024, 0.3030,  
0.4304


378.4051, 0.3094,  
0.3771

 33.7496, 0.3008,  
0.4445


 87.0591, 0.3057,  
0.4104

 22.7013, 0.2977,  
0.4630


 112.8317, 0.3066,  
0.4031

 14.3731, 0.2929,  
0.4882


 143.2465, 0.3074,  
0.3970

 8.3806, 0.2849,  
0.5246

178.6877, 0.3079,  
0.3918

 4.3395, 0.2700,  
0.5806

219.5398, 0.3084,  
0.3874

 1.8652, 0.2567,  
0.7433

266.1871, 0.3088,

 0.5273, 0.0000,

0.3835

1.0000

319.0141, 0.3092,  
0.3801

0.0000, 0.0000,  
0.0000

47.9024, 0.3030,  
0.4304

47.9024, 0.3030,  
0.4304

46.0666, 0.3007,  
0.4632

50.1364, 0.3056,  
0.3994

44.6001, 0.2988,  
0.4964

52.7837, 0.3082,  
0.3710

43.4793, 0.2975,  
0.5279

55.8660, 0.3109,  
0.3456


42.6758, 0.2970,  
0.5555


59.4017, 0.3134,  
0.3233


42.1564, 0.2973,  
0.5770

63.4079, 0.3157,  
0.3039

 41.8763, 0.2982,  
0.5913

 67.9013, 0.3179,  
0.2872

 41.8233, 0.2983,  
0.5940

 70.2565, 0.3152,  
0.2762

# Harmonies

## Analogous

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



47.9024, 0.3647, 0.4449



47.9024, 0.3030, 0.4304



47.9024, 0.2471, 0.3773

# Triad

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



47.9024, 0.3030, 0.4304



47.9024, 0.2151, 0.2345



47.9024, 0.4255, 0.3300

# Complementary

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



47.9024, 0.3030, 0.4304



31.2250, 0.3241, 0.2452

# 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.



47.9024, 0.3770, 0.2848



47.9024, 0.3030, 0.4304



47.9024, 0.2539, 0.2319

# Square

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



47.9024, 0.3030, 0.4304



47.9024, 0.2003, 0.2608



47.9024, 0.3123, 0.2501



47.9024, 0.4390, 0.3786

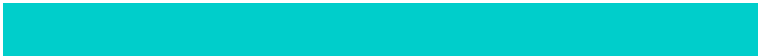


# Rectangle

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



47.9024, 0.3030, 0.4304



47.9024, 0.2203, 0.3329



47.9024, 0.3123, 0.2501



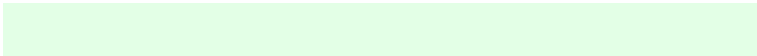
47.9024, 0.4126, 0.3142

# Sweetspot

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



47.9044, 0.3030, 0.4304



93.5330, 0.3099, 0.3550



54.8515, 0.3629, 0.4227



19.8636, 0.3095, 0.3584



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.



47.9044, 0.3030, 0.4304



79.3534, 0.3010, 0.4576



49.1024, 0.2797, 0.3741



11.9038, 0.3103, 0.3506



26.3010, 0.2980, 0.5928



1.2510, 0.2916, 0.5698



# Inverse Universe

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



31.2250, 0.3241, 0.2452



46.6327, 0.3271, 0.2276



29.7750, 0.3649, 0.2885



10.7987, 0.3152, 0.3083



9.9404, 0.3459, 0.1679



0.4758, 0.3401, 0.1647



# Previews

## White Background



This preview shows how the Yxy color 47.9024, 0.3030, 0.4304 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 47.9024, 0.3030, 0.4304 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 47.9024, 0.3030, 0.4304**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.9024, 0.3030, 0.4304.

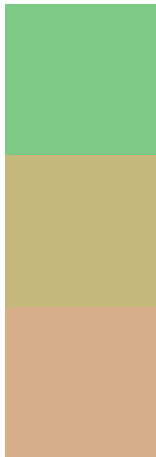


This preview shows how white text looks on a background with the Yxy color 47.9024, 0.3030, 0.4304.

# 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

47.9024, 0.3030, 0.4304

### Protanopia

47.3534, 0.3738, 0.4030

### Deuteranopia

47.3618, 0.3808, 0.3741



## Tritanopia

47.8670, 0.2650, 0.3087

# Trichromacy



## Original Color

47.9024, 0.3030, 0.4304



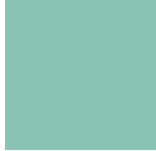
## Protanomaly

47.1561, 0.3451, 0.4139



## Deuteranomaly

46.5713, 0.3495, 0.3932



## Tritanomaly

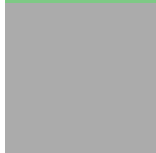
47.5597, 0.2791, 0.3501

# Monochromacy



## Original Color

47.9024, 0.3030, 0.4304



## Achromatopsia

40.7240, 0.3127, 0.3290



## Achromatomaly

42.8588, 0.3093, 0.3649

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.9024, 0.3030, 0.4304 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(126, 201, 133)` looks like.

```
.text, #text, p{  
    color:rgb(126, 201, 133)  
}
```

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(126, 201, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 201, 133) }
```

## Border

The CSS property to change the border of an element to Yxy 47.9024, 0.3030, 0.4304 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(126, 201, 133) }
```

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

```
.border{ border-color:rgb(126, 201, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 201, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 201, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 201, 133);  
box-shadow:4px 4px 4px 4px rgb(126, 201,  
133) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.9024, 0.3030, 0.4304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 201, 133) }
```

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

```
.background{ background-color: rgb(126,  
201, 133) }
```

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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