

# Converting Colors

$Yxy(43.6590, 0.2976, 0.4032)$

Have a look what the booklet for  
Yxy(43.6590, 0.2976, 0.4032)  
contains.

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# Color

**Yxy(43.7266, 0.2979, 0.4037)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7FBF8E
RGB	127, 191, 142
RGB Percent	50%, 75%, 56%
CMY	0.5019, 0.2510, 0.4432
CMYK	0.33, 0.00, 0.26, 0.25
HSL	134°, 33%, 62%
HSV	134°, 33%, 75%
XYZ	32.2669, 43.7266, 32.3211
YIQ	166.2780, -22.4150, -28.8070

# Conversions

## Conversions Part 2

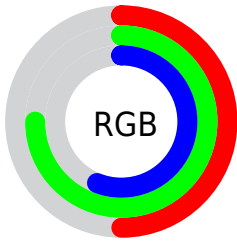
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">127, 179, 191</a>
Decimal	<a href="#">8372110</a>
CIELab	<a href="#">72.05, -30.71, 18.39</a>
CIELCh	<a href="#">72, 35.790, 149.086</a>
Yxy	<a href="#">43.7266, 0.2979, 0.4037</a>
Android (android.graphics.Color)	<a href="#">4286562190 (0xFF7FBF8E)</a>
YUV	<a href="#">166.2780, -11.9691, -34.4468</a>
Hunter-Lab	<a href="#">66.1261, -28.6197, 17.3085</a>

# Details

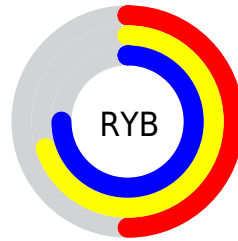
The Yxy color  $43.7266, 0.2979, 0.4037$  is a dark color, and the websafe version is hex  $99CC99$ . A complement of this color would be  $29.3984, 0.3322, 0.2645$ , and the grayscale version is  $38.3444, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $80.9441, 0.3008, 0.3890$ , and  $20.1599, 0.2917, 0.4269$  is the 20% darker color. If you saturate the color by 10%, you get  $41.9868, 0.2941, 0.4309$ , and if you desaturate by 10%, it is  $45.8058, 0.3021, 0.3785$ .

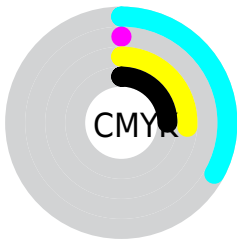
# Distribution



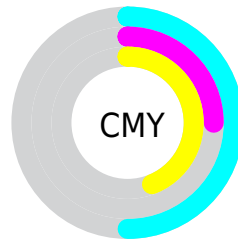
- Red (50%)
- Green (75%)
- Blue (56%)



- Red (50%)
- Yellow (70%)
- Blue (75%)



- Cyan (33%)
- Magenta (0%)
- Yellow (26%)
- Black (25%)




- Cyan (50%)
- Magenta (25%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.7266, 0.2979, 0.4037 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 43.7266, 0.2979, 0.4037 by changing the saturation by 10% instead.





 43.7266, 0.2979,  
0.4037


 43.7266, 0.2979,  
0.4037


361.5914, 0.3063,  
0.3642


 30.4556, 0.2955,  
0.4143


 80.8062, 0.3012,  
0.3888

 20.1847, 0.2921,  
0.4283


 105.3836, 0.3023,  
0.3834

 12.5294, 0.2873,  
0.4476


 134.4986, 0.3033,  
0.3789

 7.1053, 0.2796,  
0.4762

168.5356, 0.3041,  
0.3751

 3.5280, 0.2663,  
0.5219

207.8790, 0.3048,  
0.3718

 1.4132, 0.2469,  
0.6738

252.9132, 0.3053,

 0.2264, 0.0000,

0.3689

1.0000

304.0225, 0.3058,  
0.3664

0.0000, 0.0000,  
0.0000

43.7266, 0.2979,  
0.4037

43.7266, 0.2979,  
0.4037

41.9868, 0.2941,  
0.4309

45.8058, 0.3021,  
0.3785

40.5630, 0.2911,  
0.4595

48.2355, 0.3066,  
0.3558

39.4372, 0.2892,  
0.4885


51.0331, 0.3111,  
0.3355

38.5875, 0.2885,  
0.5164


54.2131, 0.3156,  
0.3177

37.9888, 0.2892,  
0.5417

57.7894, 0.3199,  
0.3021

 37.6112, 0.2912,  
0.5629

 61.7749, 0.3240,  
0.2885

 37.4488, 0.2928,  
0.5742

 65.0800, 0.3234,  
0.2760

 65.7421, 0.3157,  
0.2663

# Harmonies

## Analogous

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



43.7266, 0.3483, 0.4218



43.7266, 0.2979, 0.4037



43.7266, 0.2538, 0.3594

# Triad

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



43.7266, 0.2979, 0.4037



43.7266, 0.2365, 0.2499



43.7266, 0.4071, 0.3377

# Complementary

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



43.7266, 0.2979, 0.4037



29.3984, 0.3322, 0.2645

# 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.



43.7266, 0.3722, 0.2988



43.7266, 0.2979, 0.4037



43.7266, 0.2720, 0.2502

# Square

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



43.7266, 0.2979, 0.4037



43.7266, 0.2207, 0.2695



43.7266, 0.3214, 0.2678



43.7266, 0.4137, 0.3776



# Rectangle

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



43.7266, 0.2979, 0.4037



43.7266, 0.2333, 0.3248



43.7266, 0.3214, 0.2678



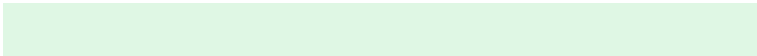
43.7266, 0.3982, 0.3243

# Sweetspot

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



43.7284, 0.2979, 0.4037



87.9861, 0.3081, 0.3487



48.0338, 0.3492, 0.4153



19.1694, 0.3075, 0.3517



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

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



43.7284, 0.2979, 0.4037



76.0307, 0.2951, 0.4230



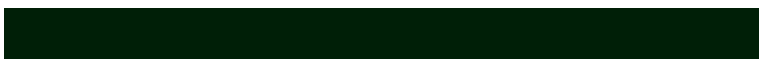
44.8298, 0.2765, 0.3539



10.6852, 0.3085, 0.3471



24.6211, 0.2923, 0.5721



0.9749, 0.2789, 0.5242



# Inverse Universe

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



29.3984, 0.3322, 0.2645



46.5406, 0.3375, 0.2509



28.2781, 0.3689, 0.3058



9.6571, 0.3172, 0.3116



8.6634, 0.3896, 0.1920

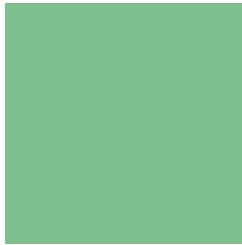


0.3488, 0.3700, 0.1812



# Previews

## White Background



This preview shows how the Yxy color 43.7266, 0.2979, 0.4037 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 43.7266, 0.2979, 0.4037 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 43.7266, 0.2979, 0.4037**

## Background



This preview shows how black text looks on a background with the Yxy color 43.7266, 0.2979, 0.4037.



This preview shows how white text looks on a background with the Yxy color 43.7266, 0.2979, 0.4037.

# 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**

43.7266, 0.2979, 0.4037

**Protanopia**

43.4913, 0.3587, 0.3838

**Deuteranopia**

43.1790, 0.3647, 0.3572



## Tritanopia

43.7615, 0.2673, 0.3094

# Trichromacy



## Original Color

43.7266, 0.2979, 0.4037

## Protanomaly

42.9897, 0.3342, 0.3900

## Deuteranomaly

42.6026, 0.3375, 0.3734

## Tritanomaly

43.8233, 0.2781, 0.3419

# Monochromacy



## Original Color

43.7266, 0.2979, 0.4037

## Achromatopsia

38.1326, 0.3127, 0.3290

## Achromatomaly

39.7697, 0.3071, 0.3554

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.7266, 0.2979, 0.4037 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(127, 191, 142)` looks like.

```
.text, #text, p{  
    color:rgb(127, 191, 142)  
}
```

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(127, 191, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 191, 142) }
```

## Border

The CSS property to change the border of an element to Yxy 43.7266, 0.2979, 0.4037 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(127, 191, 142) }
```

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

```
.border{ border-color:rgb(127, 191, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 191, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 191, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 191, 142);  
box-shadow:4px 4px 4px 4px rgb(127, 191,  
142) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.7266, 0.2979, 0.4037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 191, 142) }
```

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

```
.background{ background-color: rgb(127,  
191, 142) }
```

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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