

# Converting Colors

$Yxy(45.1627, 0.2953, 0.4043)$

Have a look what the booklet for  
Yxy(45.1627, 0.2953, 0.4043)  
contains.

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# Color

**Yxy(45.0328, 0.2959, 0.4046)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7EC290
RGB	126, 194, 144
RGB Percent	49%, 76%, 56%
CMY	0.5057, 0.2392, 0.4354
CMYK	0.35, 0.00, 0.26, 0.24
HSL	136°, 36%, 63%
HSV	136°, 35%, 76%
XYZ	32.9343, 45.0328, 33.3350
YIQ	167.9680, -24.4780, -29.9660

# Conversions

## Conversions Part 2

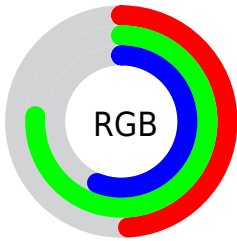
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	126, 180, 194
Decimal	8307344
CIE <sub>Lab</sub>	72.91, -32.06, 18.50
CIE <sub>LCh</sub>	73, 37.016, 150.009
Yxy	45.0328, 0.2959, 0.4046
Android (android.graphics.Color)	4286497424 (0xFF7EC290)
YUV	167.9680, -11.8162, -36.8059
Hunter-Lab	67.1065, -29.8328, 17.5224

# Details

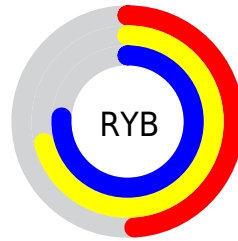
The Yxy color **45.0328, 0.2959, 0.4046** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **29.5405, 0.3356, 0.2639**, and the grayscale version is **39.2148, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8953, 0.2997, 0.3897**, and **21.0023, 0.2903, 0.4300** is the 20% darker color. If you saturate the color by 10%, you get **43.2901, 0.2919, 0.4310**, and if you desaturate by 10%, it is **47.1205, 0.3004, 0.3801**.

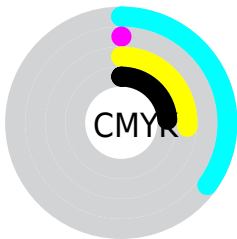
# Distribution



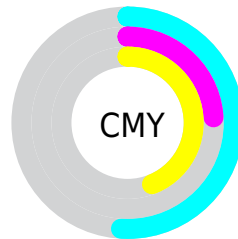
- Red (49%)
- Green (76%)
- Blue (56%)



- Red (49%)
- Yellow (71%)
- Blue (76%)



- Cyan (35%)
- Magenta (0%)
- Yellow (26%)
- Black (24%)




- Cyan (51%)
- Magenta (24%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0328, 0.2959, 0.4046 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 45.0328, 0.2959, 0.4046 by changing the saturation by 10% instead.





 45.0328, 0.2959,  
0.4046

 45.0328, 0.2959,  
0.4046


366.9064, 0.3053,  
0.3648

 31.4833, 0.2932,  
0.4152


 82.7696, 0.2995,  
0.3897

 20.9671, 0.2896,  
0.4292


 107.7257, 0.3008,  
0.3842

 13.1000, 0.2844,  
0.4485

 137.2528, 0.3019,  
0.3796

 7.4974, 0.2763,  
0.4768

171.7352, 0.3028,  
0.3758

 3.7751, 0.2624,  
0.5218

211.5574, 0.3036,  
0.3724

 1.5486, 0.2413,  
0.6486

257.1037, 0.3042,

 0.3225, 0.0000,

0.3696

1.0000

308.7586, 0.3048,  
0.3670

0.0000, 0.0000,  
0.0000

45.0328, 0.2959,  
0.4046

45.0328, 0.2959,  
0.4046

43.2901, 0.2919,  
0.4310

47.1205, 0.3004,  
0.3801

41.8681, 0.2889,  
0.4587

49.5648, 0.3053,  
0.3579

40.7482, 0.2869,  
0.4867


52.3835, 0.3102,  
0.3381

39.9075, 0.2864,  
0.5138


55.5917, 0.3151,  
0.3206

39.3197, 0.2874,  
0.5385

59.2036, 0.3199,  
0.3052

 38.9530, 0.2898,  
0.5594

 63.2328, 0.3245,  
0.2919

 38.8229, 0.2912,  
0.5683

 66.3700, 0.3236,  
0.2794

 67.0621, 0.3155,  
0.2693

# Harmonies

## Analogous

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



45.0328, 0.3475, 0.4241



45.0328, 0.2959, 0.4046



45.0328, 0.2512, 0.3585

# Triad

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



45.0328, 0.2959, 0.4046



45.0328, 0.2356, 0.2479



45.0328, 0.4101, 0.3390

# Complementary

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



45.0328, 0.2959, 0.4046



29.5405, 0.3356, 0.2639

# 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.



45.0328, 0.3750, 0.2992



45.0328, 0.2959, 0.4046



45.0328, 0.2724, 0.2488

# Square

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



45.0328, 0.2959, 0.4046



45.0328, 0.2188, 0.2671



45.0328, 0.3232, 0.2672



45.0328, 0.4158, 0.3797



# Rectangle

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



45.0328, 0.2959, 0.4046



45.0328, 0.2308, 0.3230



45.0328, 0.3232, 0.2672



45.0328, 0.4012, 0.3253

# Sweetspot

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



45.0347, 0.2959, 0.4046



91.6868, 0.3072, 0.3500



49.4381, 0.3498, 0.4198



19.9276, 0.3065, 0.3528



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.



45.0347, 0.2959, 0.4046



79.1253, 0.2928, 0.4246



46.1963, 0.2743, 0.3536



11.3015, 0.3081, 0.3464



25.5376, 0.2906, 0.5661



1.1152, 0.2777, 0.5196



# Inverse Universe

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



29.5405, 0.3356, 0.2639



46.8744, 0.3421, 0.2499



28.3877, 0.3740, 0.3062



10.2007, 0.3177, 0.3122



8.8546, 0.4003, 0.1979



0.3934, 0.3789, 0.1861



# Previews

## White Background



This preview shows how the Yxy color 45.0328, 0.2959, 0.4046 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 45.0328, 0.2959, 0.4046 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 45.0328, 0.2959, 0.4046**

## Background



This preview shows how black text looks on a background with the Yxy color 45.0328, 0.2959, 0.4046.



This preview shows how white text looks on a background with the Yxy color 45.0328, 0.2959, 0.4046.

# 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

45.0328, 0.2959, 0.4046

### Protanopia

44.5941, 0.3582, 0.3833

### Deuteranopia

44.4176, 0.3651, 0.3569



## Tritanopia

44.7381, 0.2658, 0.3082

# Trichromacy



**Original Color**

45.0328, 0.2959, 0.4046

**Protanomaly**

44.3899, 0.3329, 0.3908

**Deuteranomaly**

43.6939, 0.3373, 0.3729

**Tritanomaly**

44.7588, 0.2770, 0.3418

# Monochromacy



**Original Color**

45.0328, 0.2959, 0.4046

**Achromatopsia**

39.1572, 0.3127, 0.3290

**Achromatomaly**

40.7198, 0.3063, 0.3552

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  45.0328, 0.2959, 0.4046 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, 194, 144)` looks like.

```
.text, #text, p{  
    color:rgb(126, 194, 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(126, 194, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 194, 144) }
```

## Border

The CSS property to change the border of an element to Yxy 45.0328, 0.2959, 0.4046 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, 194, 144) }
```

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

```
.border{ border-color:rgb(126, 194, 144) }
```

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

Here you see how a box with a 4 pixel rgb(126, 194, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 194, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 194, 144);  
box-shadow:4px 4px 4px 4px rgb(126, 194,  
144) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.0328, 0.2959, 0.4046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 194, 144) }
```

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

```
.background{ background-color: rgb(126,  
194, 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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