

# Converting Colors

$Y_{xy}(45.2828, 0.2953, 0.3379)$

Have a look what the booklet for  
Yxy(45.2828, 0.2953, 0.3379)  
contains.

<b>Yxy(45.2217, 0.2952, 0.3372)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(45.2217, 0.2952, 0.3372)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EB9B3
RGB	158, 185, 179
RGB Percent	62%, 73%, 70%
CMY	0.3803, 0.2745, 0.2980
CMYK	0.15, 0.00, 0.03, 0.27
HSL	167°, 16%, 67%
HSV	167°, 15%, 73%
XYZ	39.5891, 45.2217, 49.2986
YIQ	176.2430, -14.1660, -7.5900

# Conversions

## Conversions Part 2

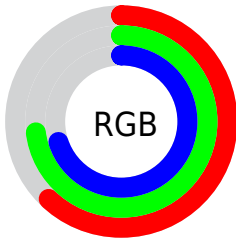
Format	Color
<b>RYB</b>	158, 173, 185
Decimal	10402227
CIELab	73.04, -10.38, -0.06
CIELCh	73, 10.376, 180.344
Yxy	45.2217, 0.2952, 0.3372
Android (android.graphics.Color)	4288592307 (0xFF9EB9B3)
YUV	176.2430, 1.3592, -15.9991
Hunter-Lab	67.2471, -12.5975, 3.6076

# Details

The Yxy color  $45.2217, 0.2952, 0.3372$  is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be  $37.4523, 0.3337, 0.3210$ , and the grayscale version is  $43.5501, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $83.0549, 0.2983, 0.3353$ , and  $21.0731, 0.2902, 0.3405$  is the 20% darker color. If you saturate the color by 10%, you get  $43.3229, 0.2839, 0.3435$ , and if you desaturate by 10%, it is  $47.4116, 0.3071, 0.3315$ .

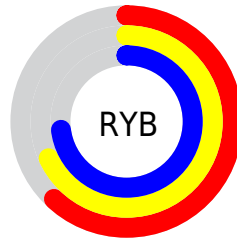
# Distribution



Red (62%)

Green (73%)

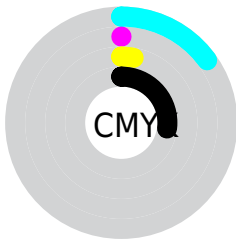
Blue (70%)



Red (62%)

Yellow (68%)

Blue (73%)

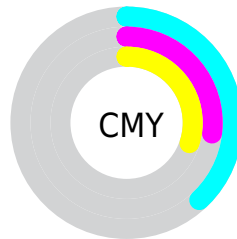


Cyan (15%)

Magenta (0%)

Yellow (3%)

Black (27%)



Cyan (38%)

Magenta (27%)


Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2217, 0.2952, 0.3372 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 45.2217, 0.2952, 0.3372 by changing the saturation by 10% instead.





 45.2217, 0.2952,  
0.3372


 45.2217, 0.2952,  
0.3372


367.6707, 0.3040,  
0.3331

 31.6321, 0.2930,  
0.3382


 83.0530, 0.2984,  
0.3357

 21.0806, 0.2901,  
0.3396


 108.0635, 0.2996,  
0.3351

 13.1830, 0.2863,  
0.3413


137.6497, 0.3006,  
0.3347

 7.5547, 0.2810,  
0.3438

172.1960, 0.3015,  
0.3343

 3.8113, 0.2729,  
0.3476

212.0869, 0.3022,  
0.3339

 1.5686, 0.2594,  
0.3539

257.7067, 0.3029,

 0.3363, 0.0858,

0.3336

0.4350

309.4399, 0.3035,  
0.3333

0.0000, 0.0000,  
0.0000

45.2217, 0.2952,  
0.3372

45.2217, 0.2952,  
0.3372

43.3229, 0.2839,  
0.3435

47.4116, 0.3071,  
0.3315

41.6970, 0.2736,  
0.3503

49.8988, 0.3194,  
0.3263

40.3322, 0.2645,  
0.3575

52.6964, 0.3319,  
0.3216

39.2138, 0.2569,  
0.3652

55.8149, 0.3443,  
0.3175

38.3256, 0.2510,  
0.3731

59.2644, 0.3565,  
0.3138

■ 37.6494, 0.2469,  
0.3812

■ 60.2994, 0.3568,  
0.3098

■ 37.1641, 0.2448,  
0.3893

■ 60.4983, 0.3534,  
0.3057

■ 36.8444, 0.2446,  
0.3974

■ 60.7024, 0.3499,  
0.3015

■ 36.7112, 0.2449,  
0.4017

■ 60.9118, 0.3465,  
0.2974

# Harmonies

## Analogous

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



45.2217, 0.3086, 0.3486



45.2217, 0.2952, 0.3372



45.2217, 0.2866, 0.3237

# Triad

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



45.2217, 0.2952, 0.3372



45.2217, 0.3018, 0.3048



45.2217, 0.3414, 0.3452

# Complementary

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



45.2217, 0.2952, 0.3372



37.4523, 0.3337, 0.3210

# 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.



45.2217, 0.3396, 0.3334



45.2217, 0.2952, 0.3372



45.2217, 0.3164, 0.3105

# Square

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



45.2217, 0.2952, 0.3372



45.2217, 0.2903, 0.3053



45.2217, 0.3303, 0.3208



45.2217, 0.3354, 0.3530



# Rectangle

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



45.2217, 0.2952, 0.3372



45.2217, 0.2846, 0.3155



45.2217, 0.3303, 0.3208



45.2217, 0.3417, 0.3415

# Sweetspot

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



45.2236, 0.2952, 0.3372



85.1333, 0.3077, 0.3312



45.0924, 0.3162, 0.3666



18.2852, 0.3068, 0.3316



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290



# Same Dimension

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



45.2236, 0.2952, 0.3372



79.6747, 0.2909, 0.3395



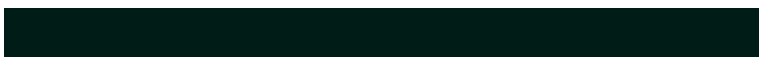
42.5356, 0.2905, 0.3190



10.1756, 0.3014, 0.3341



25.0084, 0.2446, 0.4007



0.8902, 0.2389, 0.3800



# Inverse Universe

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



37.4523, 0.3337, 0.3210



62.6650, 0.3401, 0.3188



39.7691, 0.3380, 0.3388



9.0439, 0.3254, 0.3240



7.1414, 0.5985, 0.3071



0.2612, 0.5262, 0.2673



# Previews

## White Background



This preview shows how the Yxy color 45.2217, 0.2952, 0.3372 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

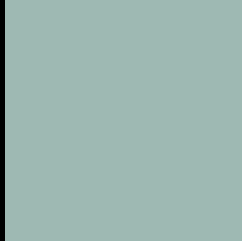
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.2217, 0.2952, 0.3372 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

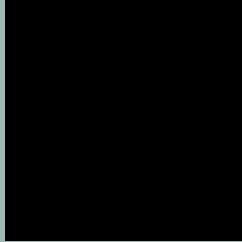
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

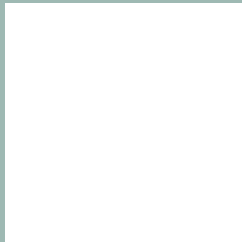
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.2217, 0.2952, 0.3372**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.2217, 0.2952, 0.3372.



This preview shows how white text looks on a background with the Yxy color 45.2217, 0.2952, 0.3372.

# 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

45.2217, 0.2952, 0.3372

### Protanopia

45.0032, 0.3195, 0.3330

### Deuteranopia

44.8254, 0.3257, 0.3189



## Tritanopia

45.0642, 0.2845, 0.3089

# Trichromacy



## Original Color

45.2217, 0.2952, 0.3372

## Protanomaly

45.1810, 0.3107, 0.3357

## Deuteranomaly

44.6847, 0.3146, 0.3251

## Tritanomaly

45.0583, 0.2887, 0.3195

# Monochromacy



## Original Color

45.2217, 0.2952, 0.3372

## Achromatopsia

43.4154, 0.3127, 0.3290

## Achromatomaly

43.8495, 0.3057, 0.3317

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.2217, 0.2952, 0.3372 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(158, 185, 179)` looks like.

```
.text, #text, p{  
    color:rgb(158, 185, 179)  
}
```

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(158, 185, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 185, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 45.2217, 0.2952, 0.3372 is called "border". The border property can be set on classes, ids or directly on the HTML element.

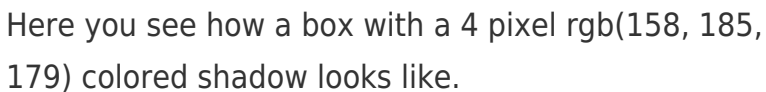
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 185, 179) }
```

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

```
.border{ border-color:rgb(158, 185, 179) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 185, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 185, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 185, 179); box-shadow:4px 4px 4px 4px rgb(158, 185, 179) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.2217, 0.2952, 0.3372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 185, 179) }
```

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

```
.background{ background-color: rgb(158,  
185, 179) }
```

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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