

# Converting Colors

$Yxy(62.1295, 0.2712, 0.4304)$

Have a look what the booklet for  
Yxy(62.1295, 0.2712, 0.4304)  
contains.

<b>Yxy(62.3751, 0.2713, 0.4304)</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(62.3751, 0.2713, 0.4304)**

# Conversions

## Conversions Part 1

Format	Color
Hex	59E8A0
RGB	89, 232, 160
RGB Percent	35%, 91%, 63%
CMY	0.6512, 0.0902, 0.3725
CMYK	0.62, 0.00, 0.31, 0.09
HSL	150°, 76%, 63%
HSV	150°, 62%, 91%
XYZ	39.3178, 62.3751, 43.2307
YIQ	181.0350, -62.1160, -52.7080

# Conversions

## Conversions Part 2

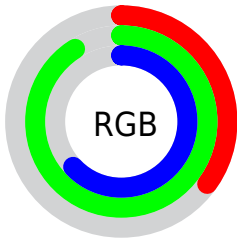
<b>Format</b>	<b>Color</b>
<b>RYB</b>	89, 185, 232
Decimal	5892256
CIELab	83.11, -54.66, 23.89
CIELCh	83, 59.649, 156.393
Yxy	62.3751, 0.2713, 0.4304
Android (android.graphics.Color)	4284082336 (0xFF59E8A0)
YUV	181.0350, -10.3703, -80.7147
Hunter-Lab	78.9779, -49.3483, 22.8305

# Details

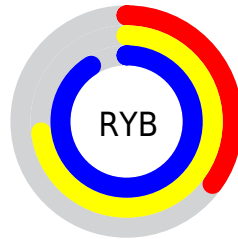
The Yxy color **62.3751, 0.2713, 0.4304** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **26.8625, 0.4055, 0.2517**, and the grayscale version is **46.3034, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0056, 0.2752, 0.3758**, and **31.7427, 0.2609, 0.4591** is the 20% darker color. If you saturate the color by 10%, you get **61.0163, 0.2691, 0.4503**, and if you desaturate by 10%, it is **64.1387, 0.2753, 0.4109**.

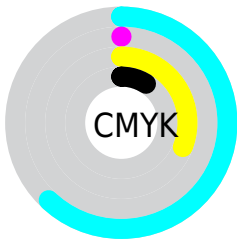
# Distribution



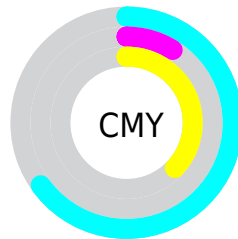
- Red (35%)
- Green (91%)
- Blue (63%)



- Red (35%)
- Yellow (73%)
- Blue (91%)



- Cyan (62%)
- Magenta (0%)
- Yellow (31%)
- Black (9%)




- Cyan (65%)
- Magenta (9%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.3751, 0.2713, 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 62.3751, 0.2713, 0.4304 by changing the saturation by 10% instead.




 62.3751, 0.2713,  
0.4304


 62.3751, 0.2713,  
0.4304


433.2980, 0.2925,  
0.3790

 45.3359, 0.2659,  
0.4433


 108.2675, 0.2791,  
0.4116

 31.7221, 0.2589,  
0.4600


 137.8894, 0.2820,  
0.4046

 21.1493, 0.2495,  
0.4822


 172.4743, 0.2845,  
0.3987

 13.2332, 0.2363,  
0.5130

 212.4067, 0.2865,  
0.3936

 7.5893, 0.2166,  
0.5584

258.0708, 0.2883,  
0.3892

 3.8333, 0.1849,  
0.6303

309.8512, 0.2899,

 1.5808, 0.0280,

0.3854

0.9720

368.1321, 0.2913,  
0.3820

■ 0.3446, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.3751, 0.2713,  
0.4304

■ 62.3751, 0.2713,  
0.4304

■ 61.0163, 0.2691,  
0.4503

■ 64.1387, 0.2753,  
0.4109

■ 60.0184, 0.2689,  
0.4701


■ 66.3315, 0.2808,  
0.3922

■ 59.3405, 0.2707,  
0.4892


■ 68.9842, 0.2875,  
0.3747

■ 58.9621, 0.2734,  
0.5043


■ 72.1229, 0.2950,  
0.3587

 75.7715, 0.3030,  
0.3441

 79.9524, 0.3113,  
0.3310

 84.6865, 0.3197,  
0.3194

 86.0965, 0.3148,  
0.3083

 86.1983, 0.3138,  
0.3068

# Harmonies

## Analogous

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



62.3751, 0.3430, 0.4677



62.3751, 0.2713, 0.4304



62.3751, 0.2147, 0.3536

# Triad

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



62.3751, 0.2713, 0.4304



62.3751, 0.2138, 0.2148



62.3751, 0.4589, 0.3507

# Complementary

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



62.3751, 0.2713, 0.4304



26.8625, 0.4055, 0.2517

# 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.



62.3751, 0.4164, 0.2967



62.3751, 0.2713, 0.4304



62.3751, 0.2684, 0.2224

# Square

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



62.3751, 0.2713, 0.4304



62.3751, 0.1859, 0.2324



62.3751, 0.3430, 0.2515



62.3751, 0.4546, 0.4062



# Rectangle

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



62.3751, 0.2713, 0.4304



62.3751, 0.1920, 0.3017



62.3751, 0.3430, 0.2515



62.3751, 0.4497, 0.3322

# Sweetspot

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



62.3776, 0.2713, 0.4304



90.9106, 0.2978, 0.3533



66.2100, 0.3471, 0.5025



19.1872, 0.2955, 0.3577



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.



62.3776, 0.2713, 0.4304



75.2283, 0.2688, 0.4558



65.5311, 0.2390, 0.3318



16.2080, 0.3048, 0.3411



32.7560, 0.2726, 0.5014



2.4393, 0.2652, 0.4746



# Inverse Universe

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



26.8625, 0.4055, 0.2517



27.7738, 0.4356, 0.2436



25.0526, 0.5061, 0.3272



14.4884, 0.3214, 0.3172



10.2594, 0.4940, 0.2495

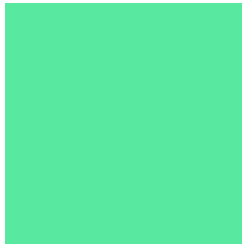


0.7769, 0.4620, 0.2318



# Previews

## White Background



This preview shows how the Yxy color 62.3751, 0.2713, 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 62.3751, 0.2713, 0.4304 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

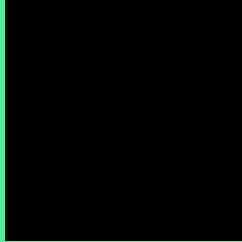
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.3751, 0.2713, 0.4304**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.3751, 0.2713, 0.4304.



This preview shows how white text looks on a background with the Yxy color 62.3751, 0.2713, 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

62.3751, 0.2713, 0.4304

### Protanopia

61.1729, 0.3677, 0.3947

### Deuteranopia

60.9368, 0.3691, 0.3611



## Tritanopia

62.1787, 0.2410, 0.3064

# Trichromacy



## Original Color

62.3751, 0.2713, 0.4304



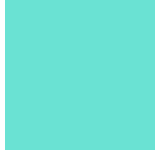
## Protanomaly

59.7521, 0.3240, 0.4101



## Deuteranomaly

59.0001, 0.3243, 0.3857



## Tritanomaly

62.1600, 0.2518, 0.3486

# Monochromacy



## Original Color

62.3751, 0.2713, 0.4304



## Achromatopsia

46.2077, 0.3127, 0.3290



## Achromatomaly

50.6216, 0.2924, 0.3663

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.3751, 0.2713, 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(89, 232, 160)` looks like.

```
.text, #text, p{  
    color:rgb(89, 232, 160)  
}
```

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(89, 232, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 232, 160) }
```

## Border

The CSS property to change the border of an element to Yxy 62.3751, 0.2713, 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(89, 232, 160) }
```

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

```
.border{ border-color:rgb(89, 232, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 232, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 232, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 232, 160);  
box-shadow:4px 4px 4px 4px rgb(89, 232,  
160) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.3751, 0.2713, 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(89, 232, 160) }
```

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

```
.background{ background-color: rgb(89, 232,  
160) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor