

# Converting Colors

$Yxy(43.2313, 0.2781, 0.3783)$

Have a look what the booklet for  
Yxy(43.2313, 0.2781, 0.3783)  
contains.

<b>Yxy(43.3422, 0.2776, 0.3780)</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(43.3422, 0.2776, 0.3780)**

# Conversions

## Conversions Part 1

Format	Color
Hex	72BF9F
RGB	114, 191, 159
RGB Percent	45%, 75%, 62%
CMY	0.5529, 0.2510, 0.3765
CMYK	0.40, 0.00, 0.17, 0.25
HSL	155°, 38%, 60%
HSV	155°, 40%, 75%
XYZ	31.8301, 43.3422, 39.4896
YIQ	164.3290, -35.6200, -26.2760

# Conversions

## Conversions Part 2

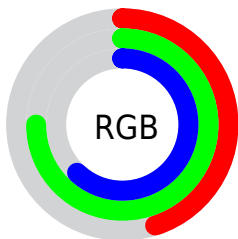
<b>Format</b>	<b>Color</b>
<b>RYB</b>	114, 163, 191
Decimal	7520159
CIELab	71.79, -31.17, 8.73
CIELCh	72, 32.371, 164.357
Yxy	43.3422, 0.2776, 0.3780
Android (android.graphics.Color)	4285710239 (0xFF72BF9F)
YUV	164.3290, -2.6272, -44.1385
Hunter-Lab	65.8348, -28.9088, 10.5205

# Details

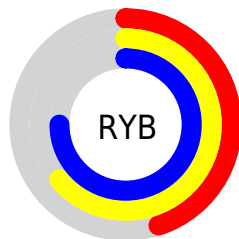
The Yxy color **43.3422, 0.2776, 0.3780** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **25.1918, 0.3706, 0.2855**, and the grayscale version is **37.3177, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.4249, 0.2842, 0.3683**, and **19.9347, 0.2662, 0.3926** is the 20% darker color. If you saturate the color by 10%, you get **41.9269, 0.2711, 0.3928**, and if you desaturate by 10%, it is **45.0461, 0.2853, 0.3641**.

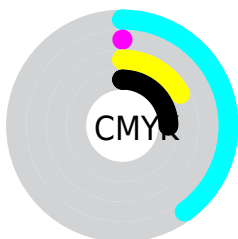
# Distribution



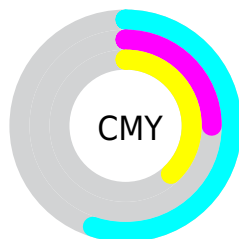
- Red (45%)
- Green (75%)
- Blue (62%)



- Red (45%)
- Yellow (64%)
- Blue (75%)



- Cyan (40%)
- Magenta (0%)
- Yellow (17%)
- Black (25%)




- Cyan (55%)
- Magenta (25%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.3422, 0.2776, 0.3780 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 43.3422, 0.2776, 0.3780 by changing the saturation by 10% instead.





 43.3422, 0.2776,  
0.3780


 43.3422, 0.2776,  
0.3780


360.0172, 0.2957,  
0.3524


 30.1537, 0.2729,  
0.3848


 80.2270, 0.2843,  
0.3684

 19.9553, 0.2667,  
0.3937

 104.6921, 0.2868,  
0.3649

 12.3625, 0.2583,  
0.4059


 133.6848, 0.2889,  
0.3620

 6.9911, 0.2463,  
0.4239

167.5896, 0.2907,  
0.3595

 3.4565, 0.2274,  
0.4525

206.7909, 0.2922,  
0.3573

 1.3745, 0.1799,  
0.5159

251.6729, 0.2935,

 0.1978, 0.0000,

0.3555

1.0000

302.6202, 0.2947,  
0.3539

■ 0.0000, 0.0000,  
0.0000

■ 43.3422, 0.2776,  
0.3780

■ 43.3422, 0.2776,  
0.3780

■ 41.9269, 0.2711,  
0.3928

■ 45.0461, 0.2853,  
0.3641

■ 40.7779, 0.2660,  
0.4084

■ 47.0491, 0.2939,  
0.3514

■ 39.8780, 0.2628,  
0.4244


■ 49.3673, 0.3030,  
0.3398


■ 39.2054, 0.2615,  
0.4406


■ 52.0144, 0.3124,  
0.3293


■ 38.7348, 0.2622,  
0.4566

■ 55.0029, 0.3220,  
0.3200

 38.4230, 0.2644,  
0.4717

 58.3450, 0.3315,  
0.3117

 62.0521, 0.3408,  
0.3044

 63.8235, 0.3403,  
0.2970

 64.2607, 0.3341,  
0.2892

# Harmonies

## Analogous

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



43.3422, 0.3222, 0.4079



43.3422, 0.2776, 0.3780



43.3422, 0.2440, 0.3328

# Triad

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



43.3422, 0.2776, 0.3780



43.3422, 0.2577, 0.2546



43.3422, 0.4048, 0.3564

# Complementary

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



43.3422, 0.2776, 0.3780



25.1918, 0.3706, 0.2855

# 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.



43.3422, 0.3854, 0.3193



43.3422, 0.2776, 0.3780



43.3422, 0.2977, 0.2632

# Square

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



43.3422, 0.2776, 0.3780



43.3422, 0.2335, 0.2634



43.3422, 0.3450, 0.2862



43.3422, 0.3971, 0.3902



# Rectangle

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



43.3422, 0.2776, 0.3780



43.3422, 0.2315, 0.3034



43.3422, 0.3450, 0.2862



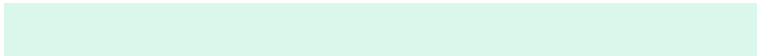
43.3422, 0.4013, 0.3440

# Sweetspot

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



43.3440, 0.2776, 0.3780



87.5889, 0.3012, 0.3419



44.5970, 0.3324, 0.4420



19.1092, 0.3000, 0.3434



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.



43.3440, 0.2776, 0.3780



75.4505, 0.2720, 0.3905



41.8652, 0.2564, 0.3194



10.7406, 0.3039, 0.3387



25.2673, 0.2638, 0.4696



1.0025, 0.2534, 0.4321



# Inverse Universe

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



25.1918, 0.3706, 0.2855



38.6523, 0.3889, 0.2767



25.8299, 0.4097, 0.3382



9.6004, 0.3225, 0.3195



7.6693, 0.5285, 0.2685



0.3135, 0.4669, 0.2346



# Previews

## White Background



This preview shows how the Yxy color 43.3422, 0.2776, 0.3780 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 43.3422, 0.2776, 0.3780 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

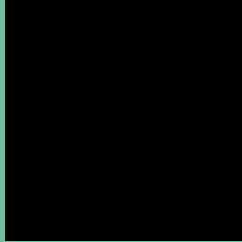
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.3422, 0.2776, 0.3780**

## Background



This preview shows how black text looks on a background with the Yxy color 43.3422, 0.2776, 0.3780.



This preview shows how white text looks on a background with the Yxy color 43.3422, 0.2776, 0.3780.

# 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

43.3422, 0.2776, 0.3780

### Protanopia

43.0847, 0.3412, 0.3614

### Deuteranopia

42.7920, 0.3423, 0.3356



## Tritanopia

43.1531, 0.2572, 0.3076

# Trichromacy



**Original Color**

43.3422, 0.2776, 0.3780

**Protanomaly**

42.7518, 0.3152, 0.3676

**Deuteranomaly**

42.1599, 0.3152, 0.3500

**Tritanomaly**

43.0365, 0.2642, 0.3318

# Monochromacy



**Original Color**

43.3422, 0.2776, 0.3780

**Achromatopsia**

37.1238, 0.3127, 0.3290

**Achromatomaly**

38.9917, 0.2980, 0.3468

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.3422, 0.2776, 0.3780 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(114, 191, 159)` looks like.

```
.text, #text, p{  
    color:rgb(114, 191, 159)  
}
```

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(114, 191, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 191, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 43.3422, 0.2776, 0.3780 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(114, 191, 159) }
```

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

```
.border{ border-color:rgb(114, 191, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 191, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 191, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 191, 159);  
box-shadow:4px 4px 4px 4px rgb(114, 191,  
159) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.3422, 0.2776, 0.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 191, 159) }
```

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

```
.background{ background-color: rgb(114,  
191, 159) }
```

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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