

# Converting Colors

$Yxy(42.2393, 0.2892, 0.3763)$

Have a look what the booklet for  
Yxy(42.2393, 0.2892, 0.3763)  
contains.

<b>Yxy(42.0736, 0.2894, 0.3761)</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(42.0736, 0.2894, 0.3761)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80BA9B
RGB	128, 186, 155
RGB Percent	50%, 73%, 61%
CMY	0.4981, 0.2706, 0.3922
CMYK	0.31, 0.00, 0.17, 0.27
HSL	148°, 30%, 62%
HSV	148°, 31%, 73%
XYZ	32.3746, 42.0736, 37.4199
YIQ	165.1240, -24.6170, -21.9370

# Conversions

## Conversions Part 2

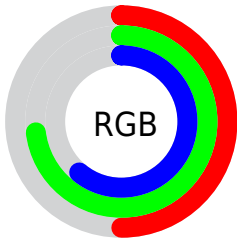
Format	Color
<a href="#">RYB</a>	<a href="#">128, 168, 186</a>
Decimal	<a href="#">8436379</a>
CIELab	<a href="#">70.92, -25.47, 9.77</a>
CIELCh	<a href="#">71, 27.285, 159.010</a>
Yxy	<a href="#">42.0736, 0.2894, 0.3761</a>
Android (android.graphics.Color)	<a href="#">4286626459 (0xFF80BA9B)</a>
YUV	<a href="#">165.1240, -4.9911, -32.5577</a>
Hunter-Lab	<a href="#">64.8642, -24.4204, 11.2007</a>

# Details

The Yxy color **42.0736, 0.2894, 0.3761** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **28.3775, 0.3454, 0.2864**, and the grayscale version is **37.7215, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0528, 0.2941, 0.3670**, and **19.3110, 0.2814, 0.3919** is the 20% darker color. If you saturate the color by 10%, you get **40.4425, 0.2831, 0.3944**, and if you desaturate by 10%, it is **44.0001, 0.2965, 0.3593**.

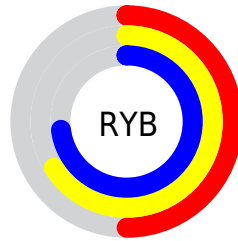
# Distribution



Red (50%)

Green (73%)

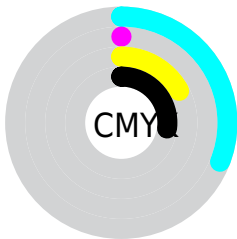
Blue (61%)



Red (50%)

Yellow (66%)

Blue (73%)

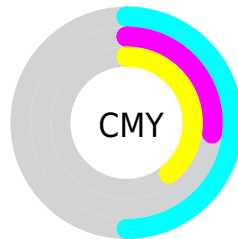


Cyan (31%)

Magenta (0%)

Yellow (17%)

Black (27%)



Cyan (50%)

Magenta (27%)

Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.0736, 0.2894, 0.3761 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 42.0736, 0.2894, 0.3761 by changing the saturation by 10% instead.



■ 42.0736, 0.2894,  
0.3761

■ 42.0736, 0.2894,  
0.3761

■ 354.7879, 0.3016,  
0.3514

■ 29.1589, 0.2862,  
0.3827

■ 78.3110, 0.2940,  
0.3668

■ 19.2011, 0.2819,  
0.3914

■ 102.4025, 0.2957,  
0.3634

■ 11.8157, 0.2760,  
0.4034

■ 130.9884, 0.2971,  
0.3606

■ 6.6183, 0.2673,  
0.4211

■ 164.4532, 0.2982,  
0.3582

■ 3.2245, 0.2533,  
0.4497

■ 203.1811, 0.2993,  
0.3561

■ 1.2501, 0.2188,  
0.5186

■ 247.5566, 0.3002,

■ 0.1020, 0.0000,

0.3543

1.0000

297.9641, 0.3009,  
0.3528

0.0000, 0.0000,  
0.0000

42.0736, 0.2894,  
0.3761

42.0736, 0.2894,  
0.3761

40.4425, 0.2831,  
0.3944

44.0001, 0.2965,  
0.3593

39.0864, 0.2778,  
0.4139

46.2307, 0.3040,  
0.3441

37.9906, 0.2739,  
0.4343


48.7803, 0.3118,  
0.3305


37.1367, 0.2717,  
0.4552


51.6613, 0.3196,  
0.3184


36.5037, 0.2714,  
0.4759

54.8851, 0.3272,  
0.3078

 36.0669, 0.2730,  
0.4958

 58.4629, 0.3347,  
0.2984

 35.8023, 0.2756,  
0.5123

 61.7953, 0.3393,  
0.2899

 62.3527, 0.3314,  
0.2803

 62.9421, 0.3237,  
0.2709

# Harmonies

## Analogous

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



42.0736, 0.3283, 0.3977



42.0736, 0.2894, 0.3761



42.0736, 0.2580, 0.3396

# Triad

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



42.0736, 0.2894, 0.3761



42.0736, 0.2607, 0.2651



42.0736, 0.3897, 0.3476

# Complementary

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



42.0736, 0.2894, 0.3761



28.3775, 0.3454, 0.2864

# 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.



42.0736, 0.3694, 0.3156



42.0736, 0.2894, 0.3761



42.0736, 0.2933, 0.2698

# Square

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



42.0736, 0.2894, 0.3761



42.0736, 0.2424, 0.2761



42.0736, 0.3333, 0.2879



42.0736, 0.3876, 0.3774



# Rectangle

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



42.0736, 0.2894, 0.3761



42.0736, 0.2451, 0.3141



42.0736, 0.3333, 0.2879



42.0736, 0.3853, 0.3368

# Sweetspot

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



42.0753, 0.2894, 0.3761



84.6854, 0.3056, 0.3412



44.1423, 0.3354, 0.4121



18.5071, 0.3045, 0.3433



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

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



42.0753, 0.2894, 0.3761



74.2984, 0.2852, 0.3877



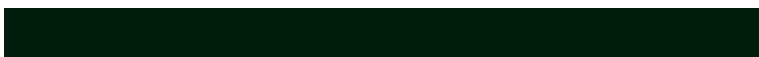
43.1325, 0.2704, 0.3331



10.1278, 0.3055, 0.3415



24.0993, 0.2750, 0.5099



0.8621, 0.2611, 0.4598



# Inverse Universe

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



28.3775, 0.3454, 0.2864



45.7740, 0.3546, 0.2774



27.5098, 0.3788, 0.3251



9.0903, 0.3207, 0.3168



7.6500, 0.4787, 0.2411



0.2821, 0.4276, 0.2129



# Previews

## White Background



This preview shows how the Yxy color 42.0736, 0.2894, 0.3761 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 42.0736, 0.2894, 0.3761 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

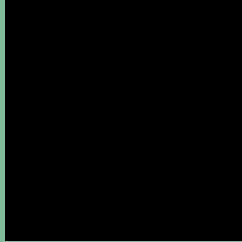
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 42.0736, 0.2894, 0.3761**

## Background



This preview shows how black text looks on a background with the Yxy color 42.0736, 0.2894, 0.3761.



This preview shows how white text looks on a background with the Yxy color 42.0736, 0.2894, 0.3761.

# 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

42.0736, 0.2894, 0.3761

### Protanopia

41.5882, 0.3427, 0.3618

### Deuteranopia

41.7427, 0.3464, 0.3395



## Tritanopia

41.8169, 0.2672, 0.3076

# Trichromacy



**Original Color**

42.0736, 0.2894, 0.3761

**Protanomaly**

41.3600, 0.3207, 0.3663

**Deuteranomaly**

41.3987, 0.3234, 0.3513

**Tritanomaly**

41.7377, 0.2754, 0.3318

# Monochromacy



**Original Color**

42.0736, 0.2894, 0.3761

**Achromatopsia**

37.6262, 0.3127, 0.3290

**Achromatomaly**

39.1357, 0.3040, 0.3466

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.0736, 0.2894, 0.3761 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(128, 186, 155)` looks like.

```
.text, #text, p{  
    color:rgb(128, 186, 155)  
}
```

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(128, 186, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 186, 155) }
```

## Border

The CSS property to change the border of an element to Yxy 42.0736, 0.2894, 0.3761 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(128, 186, 155) }
```

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

```
.border{ border-color:rgb(128, 186, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 186, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 186, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 186, 155);  
box-shadow:4px 4px 4px 4px rgb(128, 186,  
155) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.0736, 0.2894, 0.3761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 186, 155) }
```

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

```
.background{ background-color: rgb(128,  
186, 155) }
```

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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