

# Converting Colors

$Yxy(27.7486, 0.2664, 0.3731)$

Have a look what the booklet for  
Yxy(27.7486, 0.2664, 0.3731)  
contains.

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# Color

**Yxy(27.9243, 0.2666, 0.3736)**

# Conversions

## Conversions Part 1

Format	Color
Hex	519E86
RGB	81, 158, 134
RGB Percent	32%, 62%, 53%
CMY	0.6821, 0.3804, 0.4745
CMYK	0.49, 0.00, 0.15, 0.38
HSL	161°, 32%, 47%
HSV	161°, 49%, 62%
XYZ	19.9267, 27.9243, 26.8928
YIQ	132.2410, -38.1880, -23.7880

# Conversions

## Conversions Part 2

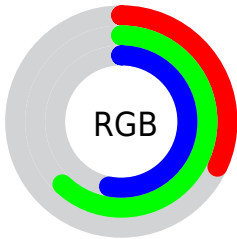
<b>Format</b>	<b>Color</b>
<b>RYB</b>	81, 127, 158
Decimal	5348998
CIELab	59.82, -29.78, 5.24
CIElCh	60, 30.238, 170.020
Yxy	27.9243, 0.2666, 0.3736
Android (android.graphics.Color)	4283539078 (0xFF519E86)
YUV	132.2410, 0.8672, -44.9384
Hunter-Lab	52.8434, -25.1656, 6.8168

# Details

The Yxy color **27.9243, 0.2666, 0.3736** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.1834, 0.4011, 0.2902**, and the grayscale version is **23.1784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.3273, 0.2763, 0.3641**, and **11.1303, 0.2503, 0.3919** is the 20% darker color. If you saturate the color by 10%, you get **27.1718, 0.2604, 0.3847**, and if you desaturate by 10%, it is **28.8478, 0.2743, 0.3630**.

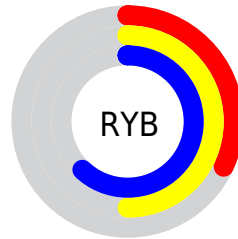
# Distribution



Red (32%)

Green (62%)

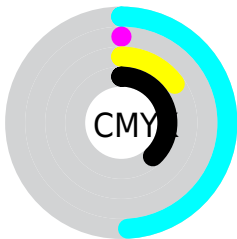
Blue (53%)



Red (32%)

Yellow (50%)

Blue (62%)

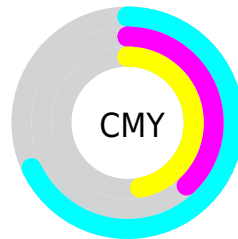


Cyan (49%)

Magenta (0%)

Yellow (15%)

Black (38%)



Cyan (68%)

Magenta (38%)


Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 27.9243, 0.2666, 0.3736 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 27.9243, 0.2666, 0.3736 by changing the saturation by 10% instead.





 27.9243, 0.2666,  
0.3736


 27.9243, 0.2666,  
0.3736


292.1050, 0.2918,  
0.3488


 18.2686, 0.2595,  
0.3808


 56.3636, 0.2763,  
0.3639


 11.1430, 0.2498,  
0.3906

 75.9159, 0.2798,  
0.3605


 6.1631, 0.2358,  
0.4051

 99.5359, 0.2827,  
0.3577

 2.9445, 0.2141,  
0.4284

 127.6080, 0.2851,  
0.3553

 1.1028, 0.1376,  
0.4953

 160.5166, 0.2872,  
0.3534

 0.0000, 0.0000,  
0.0000

198.6460, 0.2889,

0.3516

242.3807, 0.2905,  
0.3502

■ 27.9243, 0.2666,  
0.3736

■ 27.9243, 0.2666,  
0.3736

■ 27.1718, 0.2604,  
0.3847

■ 28.8478, 0.2743,  
0.3630

■ 26.5756, 0.2559,  
0.3962

■ 29.9495, 0.2832,  
0.3531

■ 26.1237, 0.2532,  
0.4079


■ 31.2400, 0.2930,  
0.3440


■ 25.8010, 0.2525,  
0.4196

■ 32.7282, 0.3034,  
0.3356

■ 25.5775, 0.2534,  
0.4312


■ 34.4224, 0.3141,  
0.3281

 25.5503, 0.2535,  
0.4327

 36.3304, 0.3251,  
0.3213

 38.4595, 0.3360,  
0.3152

 40.8169, 0.3467,  
0.3099

 43.4093, 0.3572,  
0.3052

# Harmonies

## Analogous

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



27.9243, 0.3132, 0.4108



27.9243, 0.2666, 0.3736



27.9243, 0.2340, 0.3234

# Triad

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



27.9243, 0.2666, 0.3736



27.9243, 0.2604, 0.2495



27.9243, 0.4130, 0.3654

# Complementary

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



27.9243, 0.2666, 0.3736



14.1834, 0.4011, 0.2902

# 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.



27.9243, 0.3975, 0.3257



27.9243, 0.2666, 0.3736



27.9243, 0.3058, 0.2620

# Square

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



27.9243, 0.2666, 0.3736



27.9243, 0.2309, 0.2550



27.9243, 0.3569, 0.2890



27.9243, 0.3990, 0.4003



# Rectangle

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



27.9243, 0.2666, 0.3736



27.9243, 0.2234, 0.2930



27.9243, 0.3569, 0.2890



27.9243, 0.4111, 0.3523

# Sweetspot

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



27.9254, 0.2666, 0.3736



57.6137, 0.2964, 0.3411



28.0762, 0.3273, 0.4691



12.8722, 0.2944, 0.3428



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290



# Same Dimension

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



27.9254, 0.2666, 0.3736



49.2936, 0.2601, 0.3852



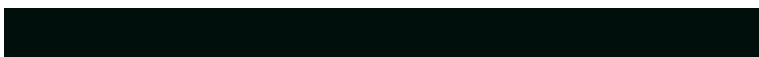
24.1338, 0.2452, 0.3031



7.4742, 0.3028, 0.3361



20.4717, 0.2533, 0.4317



0.3733, 0.2404, 0.3855



# Inverse Universe

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



14.1834, 0.4011, 0.2902



21.4350, 0.4317, 0.2835



16.0776, 0.4316, 0.3523



6.6785, 0.3238, 0.3220



6.0077, 0.5669, 0.2896

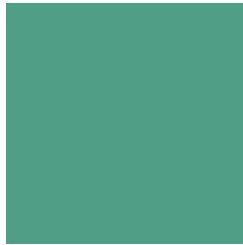


0.1146, 0.4657, 0.2339



# Previews

## White Background



This preview shows how the Yxy color 27.9243, 0.2666, 0.3736 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9243, 0.2666, 0.3736 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 × Fail

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

**Yxy 27.9243, 0.2666, 0.3736**

## **Background**



This preview shows how black text looks on a background with the Yxy color 27.9243, 0.2666, 0.3736.



This preview shows how white text looks on a background with the Yxy color 27.9243, 0.2666, 0.3736.

# 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

27.9243, 0.2666, 0.3736

### Protanopia

27.6353, 0.3376, 0.3566

### Deuteranopia

27.6711, 0.3360, 0.3306



## Tritanopia

28.0380, 0.2490, 0.3082

# Trichromacy



**Original Color**

27.9243, 0.2666, 0.3736

**Protanomaly**

27.1248, 0.3071, 0.3620

**Deuteranomaly**

27.1892, 0.3058, 0.3442

**Tritanomaly**

27.8020, 0.2555, 0.3306

# Monochromacy



**Original Color**

27.9243, 0.2666, 0.3736

**Achromatopsia**

23.0740, 0.3127, 0.3290

**Achromatomaly**

24.2539, 0.2913, 0.3435

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  27.9243, 0.2666, 0.3736 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(81, 158, 134)` looks like.

```
.text, #text, p{  
  color:rgb(81, 158, 134)  
}
```

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(81, 158, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 158, 134) }
```

## Border

The CSS property to change the border of an element to Yxy 27.9243, 0.2666, 0.3736 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(81, 158, 134) }
```

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

```
.border{ border-color:rgb(81, 158, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 158, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 158, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 158, 134);  
box-shadow:4px 4px 4px 4px rgb(81, 158,  
134) }
```



# Background

The CSS property to change the background color of an element to Yxy 27.9243, 0.2666, 0.3736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 158, 134) }
```

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

```
.background{ background-color: rgb(81, 158,  
134) }
```

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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