

# Converting Colors

$Y_{xy}(30.4202, 0.2710, 0.3365)$

Have a look what the booklet for  
Yxy(30.4202, 0.2710, 0.3365)  
contains.

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# Color

**Yxy(30.3510, 0.2709, 0.3356)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6C9F9B
RGB	108, 159, 155
RGB Percent	42%, 62%, 61%
CMY	0.5765, 0.3765, 0.3921
CMYK	0.32, 0.00, 0.03, 0.38
HSL	175°, 21%, 52%
HSV	175°, 32%, 62%
XYZ	24.4997, 30.3510, 35.5874
YIQ	143.2950, -29.1120, -12.0560

# Conversions

## Conversions Part 2

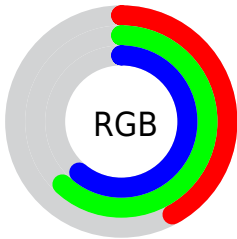
<b>Format</b>	<b>Color</b>
<b>RYB</b>	108, 135, 159
Decimal	7118747
CIELab	61.96, -17.81, -3.36
CIELCh	62, 18.123, 190.682
Yxy	30.3510, 0.2709, 0.3356
Android (android.graphics.Color)	4285308827 (0xFF6C9F9B)
YUV	143.2950, 5.7706, -30.9537
Hunter-Lab	55.0917, -17.0304, 0.2649

# Details

The Yxy color **30.3510, 0.2709, 0.3356** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.2643, 0.3783, 0.3227**, and the grayscale version is **27.5779, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2737, 0.2794, 0.3352**, and **12.3847, 0.2565, 0.3364** is the 20% darker color. If you saturate the color by 10%, you get **29.4031, 0.2602, 0.3380**, and if you desaturate by 10%, it is **31.4836, 0.2829, 0.3334**.

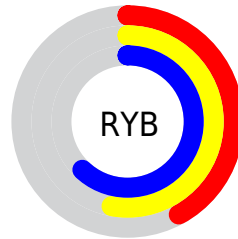
# Distribution



Red (42%)

Green (62%)

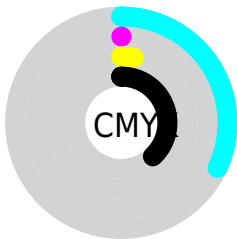
Blue (61%)



Red (42%)

Yellow (53%)

Blue (62%)

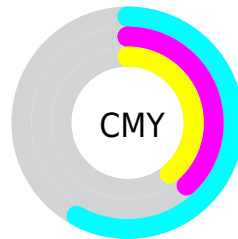


Cyan (32%)

Magenta (0%)

Yellow (3%)

Black (38%)



Cyan (58%)

Magenta (38%)


Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.3510, 0.2709, 0.3356 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 30.3510, 0.2709, 0.3356 by changing the saturation by 10% instead.





 30.3510, 0.2709,  
0.3356


 30.3510, 0.2709,  
0.3356


303.5371, 0.2931,  
0.3323


 20.1052, 0.2649,  
0.3364


 60.2168, 0.2793,  
0.3344


 12.4715, 0.2569,  
0.3374


 80.6056, 0.2824,  
0.3340

 7.0657, 0.2457,  
0.3387


 105.1441, 0.2849,  
0.3336

 3.5032, 0.2290,  
0.3404

 134.2168, 0.2870,  
0.3333

 1.3997, 0.2014,  
0.3424

168.2081, 0.2889,  
0.3330

 0.2165, 0.0000,  
0.3151

207.5023, 0.2905,

 0.0000, 0.0000,

0.3327

0.0000

252.4838, 0.2919,  
0.3325

■ 30.3510, 0.2709,  
0.3356

■ 30.3510, 0.2709,  
0.3356

■ 29.4031, 0.2602,  
0.3380

■ 31.4836, 0.2829,  
0.3334

■ 28.6264, 0.2510,  
0.3404

■ 32.8063, 0.2960,  
0.3313

■ 28.0111, 0.2436,  
0.3430

■ 34.3289, 0.3098,  
0.3294

■ 27.5454, 0.2379,  
0.3456

■ 36.0595, 0.3241,  
0.3276

■ 27.2152, 0.2341,  
0.3482

■ 38.0056, 0.3386,  
0.3261

 27.0045, 0.2321,  
0.3508

 40.1744, 0.3532,  
0.3247

 26.8912, 0.2313,  
0.3528

 42.5728, 0.3676,  
0.3235

 45.2072, 0.3817,  
0.3225

 48.0842, 0.3953,  
0.3216

# Harmonies

## Analogous

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



30.3510, 0.2942, 0.3620



30.3510, 0.2709, 0.3356



30.3510, 0.2588, 0.3086

# Triad

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



30.3510, 0.2709, 0.3356



30.3510, 0.3002, 0.2847



30.3510, 0.3677, 0.3668

# Complementary

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



30.3510, 0.2709, 0.3356



19.2643, 0.3783, 0.3227

# 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.



30.3510, 0.3699, 0.3450



30.3510, 0.2709, 0.3356



30.3510, 0.3299, 0.2990

# Square

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



30.3510, 0.2709, 0.3356



30.3510, 0.2750, 0.2808



30.3510, 0.3558, 0.3206



30.3510, 0.3503, 0.3798



# Rectangle

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



30.3510, 0.2709, 0.3356



30.3510, 0.2582, 0.2944



30.3510, 0.3558, 0.3206



30.3510, 0.3702, 0.3602

# Sweetspot

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



30.3522, 0.2709, 0.3356



59.2387, 0.2985, 0.3309



29.3405, 0.3123, 0.4200



13.2780, 0.2967, 0.3312



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.



30.3522, 0.2709, 0.3356



53.1920, 0.2636, 0.3372



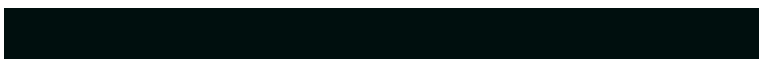
23.7960, 0.2636, 0.2918



7.5006, 0.2998, 0.3307



21.2416, 0.2313, 0.3526



0.3822, 0.2284, 0.3422



# Inverse Universe

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



19.2643, 0.3783, 0.3227



30.3813, 0.3983, 0.3214



24.2195, 0.3734, 0.3634



6.6541, 0.3272, 0.3273



5.8463, 0.6290, 0.3239



0.1067, 0.5806, 0.2972



# Previews

## White Background



This preview shows how the Yxy color 30.3510, 0.2709, 0.3356 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 30.3510, 0.2709, 0.3356 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

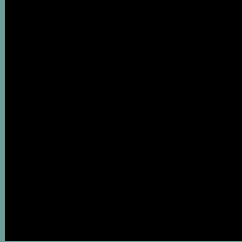
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 30.3510, 0.2709, 0.3356**

## **Background**



This preview shows how black text looks on a background with the Yxy color 30.3510, 0.2709, 0.3356.

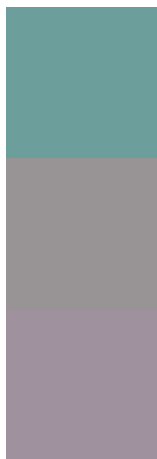


This preview shows how white text looks on a background with the Yxy color 30.3510, 0.2709, 0.3356.

# 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

30.3510, 0.2709, 0.3356

### Protanopia

30.0251, 0.3159, 0.3275

### Deuteranopia

30.1930, 0.3157, 0.3095



## Tritanopia

30.3580, 0.2625, 0.3092

# Trichromacy



## Original Color

30.3510, 0.2709, 0.3356

## Protanomaly

29.9251, 0.2979, 0.3306

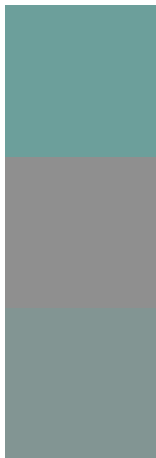
## Deuteranomaly

29.9097, 0.2974, 0.3179

## Tritanomaly

30.4491, 0.2656, 0.3189

# Monochromacy



## Original Color

30.3510, 0.2709, 0.3356

## Achromatopsia

27.4677, 0.3127, 0.3290

## Achromatomaly

28.3473, 0.2956, 0.3323

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  30.3510, 0.2709, 0.3356 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(108, 159, 155)` looks like.

```
.text, #text, p{  
    color:rgb(108, 159, 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(108, 159, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 159, 155) }
```

## Border

The CSS property to change the border of an element to Yxy 30.3510, 0.2709, 0.3356 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(108, 159, 155) }
```

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

```
.border{ border-color:rgb(108, 159, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 159, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(108, 159, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(108, 159, 155); box-shadow:4px 4px 4px 4px rgb(108, 159, 155) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.3510, 0.2709, 0.3356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 159, 155) }
```

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

```
.background{ background-color: rgb(108,  
159, 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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