

# Converting Colors

$Y_{xy}(26.4654, 0.2808, 0.3350)$

Have a look what the booklet for  
Yxy(26.4654, 0.2808, 0.3350)  
contains.

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# Color

**Yxy(26.6382, 0.2813, 0.3359)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	709490
RGB	112, 148, 144
RGB Percent	44%, 58%, 56%
CMY	0.5607, 0.4196, 0.4352
CMYK	0.24, 0.00, 0.03, 0.42
HSL	173°, 14%, 51%
HSV	173°, 24%, 58%
XYZ	22.3082, 26.6382, 30.3576
YIQ	136.7800, -20.1720, -8.8760

# Conversions

## Conversions Part 2

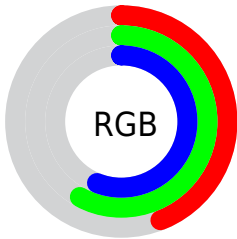
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	112, 131, 148
Decimal	7378064
CIE <sub>Lab</sub>	58.64, -13.29, -1.97
CIE <sub>LCh</sub>	59, 13.438, 188.433
Yxy	26.6382, 0.2813, 0.3359
Android (android.graphics.Color)	4285568144 (0xFF709490)
YUV	136.7800, 3.5595, -21.7321
Hunter-Lab	51.6122, -13.1688, 1.2550

# Details

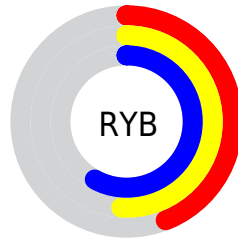
The Yxy color **26.6382, 0.2813, 0.3359** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.1483, 0.3562, 0.3223**, and the grayscale version is **24.9227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.3176, 0.2880, 0.3341**, and **10.4143, 0.2699, 0.3368** is the 20% darker color. If you saturate the color by 10%, you get **25.6970, 0.2699, 0.3391**, and if you desaturate by 10%, it is **27.7418, 0.2937, 0.3329**.

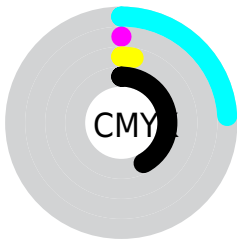
# Distribution



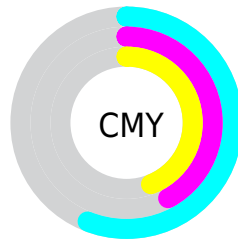
- Red (44%)
- Green (58%)
- Blue (56%)



- Red (44%)
- Yellow (51%)
- Blue (58%)



- Cyan (24%)
- Magenta (0%)
- Yellow (3%)
- Black (42%)



- Cyan (56%)
- Magenta (42%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.6382, 0.2813, 0.3359 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 26.6382, 0.2813, 0.3359 by changing the saturation by 10% instead.





 26.6382, 0.2813,  
0.3359


 26.6382, 0.2813,  
0.3359


285.9011, 0.2984,  
0.3323


 17.3017, 0.2765,  
0.3369


 54.3027, 0.2879,  
0.3345


 10.4498, 0.2700,  
0.3382


 73.3996, 0.2902,  
0.3340

 5.6982, 0.2607,  
0.3400

 96.5186, 0.2922,  
0.3336

 2.6625, 0.2462,  
0.3426

 124.0443, 0.2938,  
0.3333

 0.9582, 0.2134,  
0.3500

156.3610, 0.2952,  
0.3330

 0.0000, 0.0000,  
0.0000

193.8531, 0.2964,

0.3327

236.9050, 0.2975,  
0.3325

■ 26.6382, 0.2813,  
0.3359

■ 26.6382, 0.2813,  
0.3359

■ 25.6970, 0.2699,  
0.3391

■ 27.7418, 0.2937,  
0.3329

■ 24.9073, 0.2599,  
0.3426

■ 29.0120, 0.3069,  
0.3301

■ 24.2617, 0.2513,  
0.3461

■ 30.4565, 0.3205,  
0.3276

■ 23.7508, 0.2444,  
0.3498

■ 32.0818, 0.3345,  
0.3253

■ 23.3645, 0.2394,  
0.3535

■ 33.8941, 0.3484,  
0.3233

■ 23.0907, 0.2362,  
0.3573

■ 35.8991, 0.3623,  
0.3215

■ 22.9148, 0.2347,  
0.3610

■ 38.1025, 0.3758,  
0.3200

■ 22.8350, 0.2342,  
0.3631

■ 40.5094, 0.3890,  
0.3187

■ 43.1252, 0.4017,  
0.3175

# Harmonies

## Analogous

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



26.6382, 0.3001, 0.3556



26.6382, 0.2813, 0.3359



26.6382, 0.2709, 0.3149

# Triad

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



26.6382, 0.2813, 0.3359



26.6382, 0.3015, 0.2937



26.6382, 0.3558, 0.3576

# Complementary

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



26.6382, 0.2813, 0.3359



19.1483, 0.3562, 0.3223

# 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.



26.6382, 0.3564, 0.3405



26.6382, 0.2813, 0.3359



26.6382, 0.3244, 0.3044

# Square

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



26.6382, 0.2813, 0.3359



26.6382, 0.2822, 0.2915



26.6382, 0.3448, 0.3213



26.6382, 0.3433, 0.3679



# Rectangle

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



26.6382, 0.2813, 0.3359



26.6382, 0.2699, 0.3034



26.6382, 0.3448, 0.3213



26.6382, 0.3574, 0.3524

# Sweetspot

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



26.6393, 0.2813, 0.3359



50.5270, 0.3031, 0.3309



26.0773, 0.3139, 0.3945



11.5074, 0.3024, 0.3310



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290



# Same Dimension

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



26.6393, 0.2813, 0.3359



46.0947, 0.2752, 0.3376



22.6907, 0.2760, 0.3042



6.5513, 0.3004, 0.3314



19.5076, 0.2341, 0.3629



0.2413, 0.2291, 0.3446



# Inverse Universe

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



19.1483, 0.3562, 0.3223



30.6081, 0.3689, 0.3208



22.3388, 0.3562, 0.3525



5.8252, 0.3266, 0.3266



5.4129, 0.6231, 0.3206



0.0683, 0.5561, 0.2837



# Previews

## White Background



This preview shows how the Yxy color 26.6382, 0.2813, 0.3359 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 26.6382, 0.2813, 0.3359 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

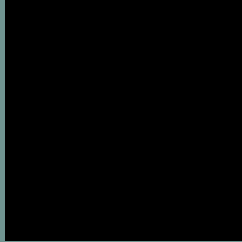
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

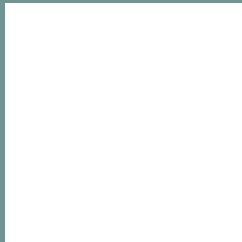
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 26.6382, 0.2813, 0.3359**

## Background



This preview shows how black text looks on a background with the Yxy color 26.6382, 0.2813, 0.3359.



This preview shows how white text looks on a background with the Yxy color 26.6382, 0.2813, 0.3359.

# 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

26.6382, 0.2813, 0.3359

### Protanopia

26.4599, 0.3170, 0.3307

### Deuteranopia

26.3590, 0.3201, 0.3132



## Tritanopia

26.6712, 0.2721, 0.3085

# Trichromacy



## Original Color

26.6382, 0.2813, 0.3359

## Protanomaly

26.4735, 0.3031, 0.3323

## Deuteranomaly

26.1189, 0.3046, 0.3207

## Tritanomaly

26.7448, 0.2754, 0.3186

# Monochromacy



## Original Color

26.6382, 0.2813, 0.3359

## Achromatopsia

25.0158, 0.3127, 0.3290

## Achromatomaly

25.5324, 0.3000, 0.3307

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.6382, 0.2813, 0.3359 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(112, 148, 144)` looks like.

```
.text, #text, p{  
    color:rgb(112, 148, 144)  
}
```

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(112, 148, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 148, 144) }
```

## Border

The CSS property to change the border of an element to Yxy 26.6382, 0.2813, 0.3359 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(112, 148, 144) }
```

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

```
.border{ border-color:rgb(112, 148, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 148, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 148, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 148, 144);  
box-shadow:4px 4px 4px 4px rgb(112, 148,  
144) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.6382, 0.2813, 0.3359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 148, 144) }
```

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

```
.background{ background-color: rgb(112,  
148, 144) }
```

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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