

# Converting Colors

$Y_{xy}(26.6197, 0.2861, 0.3760)$

Have a look what the booklet for  
Yxy(26.6197, 0.2861, 0.3760)  
contains.

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# Color

**$Y_{xy}(26.6722, 0.2862, 0.3770)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	64987E
RGB	100, 152, 126
RGB Percent	39%, 60%, 49%
CMY	0.6080, 0.4039, 0.5058
CMYK	0.34, 0.00, 0.17, 0.40
HSL	150°, 21%, 49%
HSV	150°, 34%, 60%
XYZ	20.2482, 26.6722, 23.8281
YIQ	133.4880, -22.6460, -19.1100

# Conversions

## Conversions Part 2

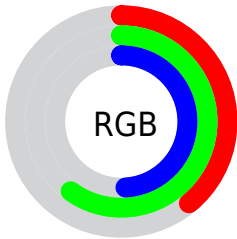
<b>Format</b>	<b>Color</b>
<b>RYB</b>	100, 135, 152
Decimal	6592638
CIELab	58.67, -23.23, 8.22
CIElCh	59, 24.642, 160.522
Yxy	26.6722, 0.2862, 0.3770
Android (android.graphics.Color)	4284782718 (0xFF64987E)
YUV	133.4880, -3.6916, -29.3690
Hunter-Lab	51.6451, -20.3954, 8.7963

# Details

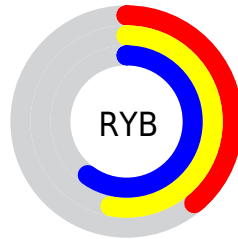
The Yxy color  $26.6722, 0.2862, 0.3770$  is a dark color, and the websafe version is hex  $669966$ . A complement of this color would be  $17.2894, 0.3516, 0.2858$ , and the grayscale version is  $23.6614, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $54.5557, 0.2916, 0.3665$ , and  $10.5213, 0.2758, 0.3971$  is the 20% darker color. If you saturate the color by 10%, you get  $25.6976, 0.2798, 0.3940$ , and if you desaturate by 10%, it is  $27.8256, 0.2934, 0.3613$ .

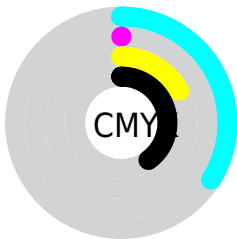
# Distribution



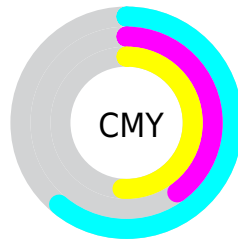
- Red (39%)
- Green (60%)
- Blue (49%)



- Red (39%)
- Yellow (53%)
- Blue (60%)



- Cyan (34%)
- Magenta (0%)
- Yellow (17%)
- Black (40%)




- Cyan (61%)
- Magenta (40%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.6722, 0.2862, 0.3770 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 26.6722, 0.2862, 0.3770 by changing the saturation by 10% instead.





 26.6722, 0.2862,  
0.3770


 26.6722, 0.2862,  
0.3770


286.0665, 0.3011,  
0.3500


 17.3272, 0.2818,  
0.3850


 54.3574, 0.2920,  
0.3663


 10.4680, 0.2758,  
0.3961


 73.4664, 0.2941,  
0.3626

 5.7104, 0.2668,  
0.4128

 96.5988, 0.2958,  
0.3595

 2.6698, 0.2521,  
0.4403

 124.1391, 0.2972,  
0.3570

 0.9619, 0.1942,  
0.5411

156.4716, 0.2984,  
0.3548

 0.0000, 0.0000,  
0.0000

193.9807, 0.2994,

0.3530

237.0509, 0.3003,  
0.3514

■ 26.6722, 0.2862,  
0.3770

■ 26.6722, 0.2862,  
0.3770

■ 25.6976, 0.2798,  
0.3940

■ 27.8256, 0.2934,  
0.3613

■ 24.8891, 0.2746,  
0.4121

■ 29.1630, 0.3012,  
0.3470

■ 24.2377, 0.2708,  
0.4309


■ 30.6938, 0.3093,  
0.3341


■ 23.7318, 0.2687,  
0.4501

■ 32.4253, 0.3174,  
0.3225


■ 23.3584, 0.2686,  
0.4692


■ 34.3649, 0.3256,  
0.3123

 23.1018, 0.2703,  
0.4876

 36.5192, 0.3335,  
0.3033

 22.9822, 0.2717,  
0.4979

 38.8948, 0.3412,  
0.2953

 41.4978, 0.3486,  
0.2884

 44.3343, 0.3557,  
0.2823

# Harmonies

## Analogous

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



26.6722, 0.3269, 0.4008



26.6722, 0.2862, 0.3770



26.6722, 0.2540, 0.3380

# Triad

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



26.6722, 0.2862, 0.3770



26.6722, 0.2596, 0.2620



26.6722, 0.3942, 0.3500

# Complementary

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



26.6722, 0.2862, 0.3770



17.2894, 0.3516, 0.2858

# 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.



26.6722, 0.3739, 0.3164



26.6722, 0.2862, 0.3770



26.6722, 0.2943, 0.2677

# Square

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



26.6722, 0.2862, 0.3770



26.6722, 0.2396, 0.2724



26.6722, 0.3364, 0.2872



26.6722, 0.3906, 0.3810



# Rectangle

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



26.6722, 0.2862, 0.3770



26.6722, 0.2411, 0.3113



26.6722, 0.3364, 0.2872



26.6722, 0.3899, 0.3387

# Sweetspot

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



26.6733, 0.2862, 0.3770



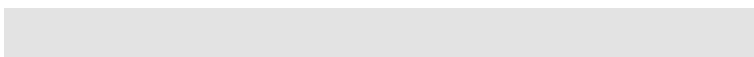
52.5201, 0.3044, 0.3416



27.8129, 0.3343, 0.4202



11.8594, 0.3034, 0.3433



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290



# Same Dimension

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



26.6733, 0.2862, 0.3770



45.7461, 0.2813, 0.3897



27.4335, 0.2655, 0.3289



6.9746, 0.3052, 0.3403



19.2744, 0.2713, 0.4968



0.2955, 0.2502, 0.4207



# Inverse Universe

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



17.2894, 0.3516, 0.2858



26.6398, 0.3636, 0.2761



16.7038, 0.3903, 0.3292



6.2715, 0.3210, 0.3179



6.0397, 0.4916, 0.2482



0.0976, 0.4057, 0.2009



# Previews

## White Background



This preview shows how the Yxy color 26.6722, 0.2862, 0.3770 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

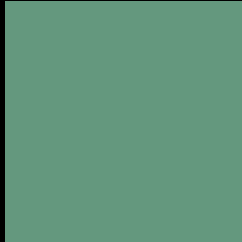
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 26.6722, 0.2862, 0.3770 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 26.6722, 0.2862, 0.3770**

## Background



This preview shows how black text looks on a background with the Yxy color 26.6722, 0.2862, 0.3770.



This preview shows how white text looks on a background with the Yxy color 26.6722, 0.2862, 0.3770.

# 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

26.6722, 0.2862, 0.3770

### Protanopia

26.4081, 0.3425, 0.3621

### Deuteranopia

26.4624, 0.3454, 0.3402



## Tritanopia

26.4964, 0.2647, 0.3082

# Trichromacy



**Original Color**

26.6722, 0.2862, 0.3770

**Protanomaly**

26.1770, 0.3205, 0.3672

**Deuteranomaly**

26.2229, 0.3213, 0.3528

**Tritanomaly**

26.5445, 0.2720, 0.3324

# Monochromacy



**Original Color**

26.6722, 0.2862, 0.3770

**Achromatopsia**

23.4551, 0.3127, 0.3290

**Achromatomaly**

24.4328, 0.3023, 0.3469

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.6722, 0.2862, 0.3770 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(100, 152, 126)` looks like.

```
.text, #text, p{  
    color:rgb(100, 152, 126)  
}
```

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(100, 152, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 152, 126) }
```

## Border

The CSS property to change the border of an element to Yxy 26.6722, 0.2862, 0.3770 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(100, 152, 126) }
```

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

```
.border{ border-color:rgb(100, 152, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 152, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 152, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 152, 126);  
box-shadow:4px 4px 4px 4px rgb(100, 152,  
126) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.6722, 0.2862, 0.3770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 152, 126) }
```

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

```
.background{ background-color: rgb(100,  
152, 126) }
```

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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