

# Converting Colors

$Yxy(27.4055, 0.2840, 0.3747)$

Have a look what the booklet for  
Yxy(27.4055, 0.2840, 0.3747)  
contains.

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# Color

**$Y_{xy}(27.4055, 0.2840, 0.3747)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	649A81
RGB	100, 154, 129
RGB Percent	39%, 60%, 51%
CMY	0.6079, 0.3961, 0.4941
CMYK	0.35, 0.00, 0.16, 0.40
HSL	152°, 21%, 50%
HSV	152°, 35%, 60%
XYZ	20.7717, 27.4055, 24.9626
YIQ	135.0040, -24.1590, -19.2230

# Conversions

## Conversions Part 2

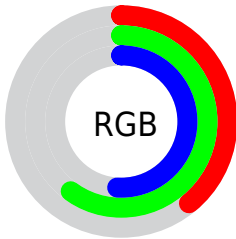
<b>Format</b>	<b>Color</b>
<b>RYB</b>	100, 135, 154
Decimal	6593153
CIELab	59.35, -23.60, 7.50
CIELCh	59, 24.767, 162.366
Yxy	27.4055, 0.2840, 0.3747
Android (android.graphics.Color)	4284783233 (0xFF649A81)
YUV	135.0040, -2.9600, -30.6985
Hunter-Lab	52.3503, -20.7871, 8.3734

# Details

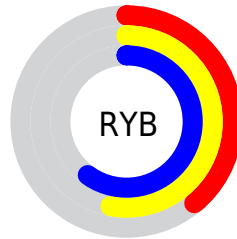
The Yxy color **27.4055, 0.2840, 0.3747** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.4618, 0.3557, 0.2878**, and the grayscale version is **24.2469, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7506, 0.2904, 0.3648**, and **10.9578, 0.2731, 0.3931** is the 20% darker color. If you saturate the color by 10%, you get **26.4271, 0.2773, 0.3905**, and if you desaturate by 10%, it is **28.5654, 0.2916, 0.3601**.

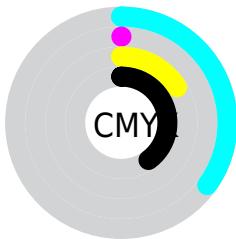
# Distribution



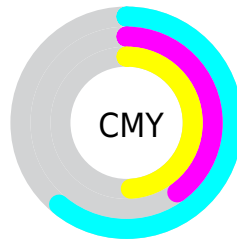
- Red (39%)
- Green (60%)
- Blue (51%)



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



- Cyan (35%)
- Magenta (0%)
- Yellow (16%)
- Black (40%)




- Cyan (61%)
- Magenta (40%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 27.4055, 0.2840, 0.3747 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 27.4055, 0.2840, 0.3747 by changing the saturation by 10% instead.





 27.4055, 0.2840,  
0.3747


 27.4055, 0.2840,  
0.3747


289.6152, 0.3000,  
0.3491


 17.8780, 0.2794,  
0.3822


 55.5339, 0.2902,  
0.3646


 10.8624, 0.2730,  
0.3926


 74.9036, 0.2924,  
0.3611

 5.9744, 0.2636,  
0.4081

 98.3227, 0.2942,  
0.3582

 2.8295, 0.2486,  
0.4333

 126.1758, 0.2958,  
0.3558

 1.0434, 0.1984,  
0.5082

158.8472, 0.2970,  
0.3537

 0.0000, 0.0000,  
0.0000

196.7213, 0.2982,

0.3520

240.1825, 0.2991,  
0.3505

■ 27.4055, 0.2840,  
0.3747

■ 27.4055, 0.2840,  
0.3747

■ 26.4271, 0.2773,  
0.3905

■ 28.5654, 0.2916,  
0.3601

■ 25.6171, 0.2719,  
0.4072

■ 29.9123, 0.2998,  
0.3467

■ 24.9661, 0.2680,  
0.4247


■ 31.4557, 0.3083,  
0.3346

■ 24.4622, 0.2658,  
0.4425


■ 33.2033, 0.3170,  
0.3238

■ 24.0919, 0.2655,  
0.4602

■ 35.1624, 0.3257,  
0.3142


 23.8378, 0.2672,  
0.4775

 37.3401, 0.3342,  
0.3057

 23.7336, 0.2683,  
0.4858

 39.7430, 0.3425,  
0.2983

 42.3776, 0.3505,  
0.2917

 45.2498, 0.3581,  
0.2860

# Harmonies

## Analogous

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



27.4055, 0.3243, 0.3997



27.4055, 0.2840, 0.3747



27.4055, 0.2527, 0.3354

# Triad

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



27.4055, 0.2840, 0.3747



27.4055, 0.2615, 0.2621



27.4055, 0.3943, 0.3520

# Complementary

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



27.4055, 0.2840, 0.3747



17.4618, 0.3557, 0.2878

# 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.



27.4055, 0.3755, 0.3185



27.4055, 0.2840, 0.3747



27.4055, 0.2968, 0.2687

# Square

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



27.4055, 0.2840, 0.3747



27.4055, 0.2406, 0.2715



27.4055, 0.3389, 0.2889



27.4055, 0.3893, 0.3825



# Rectangle

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



27.4055, 0.2840, 0.3747



27.4055, 0.2406, 0.3090



27.4055, 0.3389, 0.2889



27.4055, 0.3906, 0.3408

# Sweetspot

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



27.4066, 0.2840, 0.3747



55.3718, 0.3030, 0.3419



28.4077, 0.3329, 0.4233



12.4557, 0.3020, 0.3434



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290



# Same Dimension

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



27.4066, 0.2840, 0.3747



48.3730, 0.2787, 0.3869



27.5650, 0.2641, 0.3257



6.9783, 0.3047, 0.3395



19.3418, 0.2679, 0.4845



0.2965, 0.2479, 0.4122



# Inverse Universe

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



17.4618, 0.3557, 0.2878



27.5661, 0.3693, 0.2785



17.2504, 0.3921, 0.3323



6.2679, 0.3215, 0.3187



5.9780, 0.5067, 0.2565



0.0966, 0.4149, 0.2059



# Previews

## White Background



This preview shows how the Yxy color 27.4055, 0.2840, 0.3747 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 27.4055, 0.2840, 0.3747 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

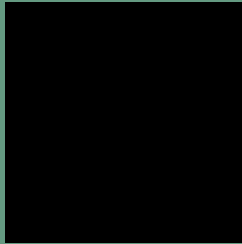
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 27.4055, 0.2840, 0.3747**

## Background



This preview shows how black text looks on a background with the Yxy color 27.4055, 0.2840, 0.3747.



This preview shows how white text looks on a background with the Yxy color 27.4055, 0.2840, 0.3747.

# 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

27.4055, 0.2840, 0.3747

### Protanopia

27.1656, 0.3399, 0.3601

### Deuteranopia

27.0584, 0.3430, 0.3353



## Tritanopia

27.1939, 0.2636, 0.3084

# Trichromacy



**Original Color**

27.4055, 0.2840, 0.3747

**Protanomaly**

26.8637, 0.3173, 0.3652

**Deuteranomaly**

26.7141, 0.3183, 0.3475

**Tritanomaly**

27.2462, 0.2708, 0.3324

# Monochromacy



**Original Color**

27.4055, 0.2840, 0.3747

**Achromatopsia**

24.2281, 0.3127, 0.3290

**Achromatomaly**

25.1770, 0.3004, 0.3449

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  27.4055, 0.2840, 0.3747 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, 154, 129)` looks like.

```
.text, #text, p{  
    color:rgb(100, 154, 129)  
}
```

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, 154, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 154, 129) }
```

## Border

The CSS property to change the border of an element to Yxy 27.4055, 0.2840, 0.3747 is called "border". The border property can be set on classes, ids or directly on the HTML element.

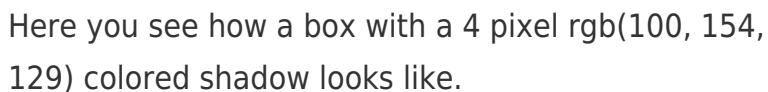
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(100, 154, 129) }
```

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

```
.border{ border-color:rgb(100, 154, 129) }
```

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



Here you see how a box with a 4 pixel `rgb(100, 154, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(100, 154, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(100, 154, 129); box-shadow:4px 4px 4px 4px rgb(100, 154, 129) }
```



# Background

The CSS property to change the background color of an element to Yxy 27.4055, 0.2840, 0.3747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 154, 129) }
```

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

```
.background{ background-color: rgb(100,  
154, 129) }
```

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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