

# Converting Colors

$Y_{xy}(26.9691, 0.2751, 0.3524)$

Have a look what the booklet for  
Yxy(26.9691, 0.2751, 0.3524)  
contains.

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# Color

**$\text{Yxy}(26.9732, 0.2748, 0.3524)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	63988B
RGB	99, 152, 139
RGB Percent	39%, 60%, 55%
CMY	0.6119, 0.4039, 0.4548
CMYK	0.35, 0.00, 0.09, 0.40
HSL	165°, 21%, 49%
HSV	165°, 35%, 60%
XYZ	21.0336, 26.9732, 28.5346
YIQ	134.6710, -27.4150, -15.2790

# Conversions

## Conversions Part 2

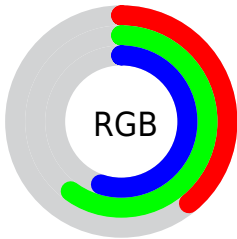
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	99, 129, 152
Decimal	6527115
CIE Lab	58.95, -20.63, 1.24
CIE LCh	59, 20.663, 176.571
Yxy	26.9732, 0.2748, 0.3524
Android (android.graphics.Color)	4284717195 (0xFF63988B)
YUV	134.6710, 2.1342, -31.2835
Hunter-Lab	51.9357, -18.5964, 3.7798

# Details

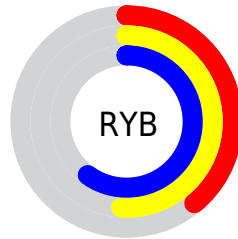
The Yxy color  $26.9732, 0.2748, 0.3524$  is a dark color, and the websafe version is hex  $669999$ . A complement of this color would be  $16.7638, 0.3725, 0.3072$ , and the grayscale version is  $24.0991, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $54.6238, 0.2833, 0.3474$ , and  $10.6816, 0.2617, 0.3620$  is the 20% darker color. If you saturate the color by 10%, you get  $26.0905, 0.2660, 0.3603$ , and if you desaturate by 10%, it is  $28.0229, 0.2848, 0.3450$ .

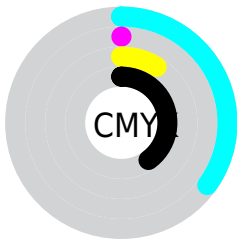
# Distribution



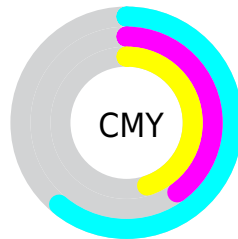
- Red (39%)
- Green (60%)
- Blue (55%)



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



- Cyan (35%)
- Magenta (0%)
- Yellow (9%)
- Black (40%)




- Cyan (61%)
- Magenta (40%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.9732, 0.2748, 0.3524 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 26.9732, 0.2748, 0.3524 by changing the saturation by 10% instead.





 26.9732, 0.2748,  
0.3524


 26.9732, 0.2748,  
0.3524


287.5273, 0.2955,  
0.3396


 17.5531, 0.2690,  
0.3560


 54.8409, 0.2828,  
0.3474


 10.6296, 0.2611,  
0.3610


 74.0572, 0.2856,  
0.3457

 5.8184, 0.2497,  
0.3682

 97.3078, 0.2880,  
0.3442

 2.7350, 0.2320,  
0.3796

 124.9769, 0.2900,  
0.3430

 0.9950, 0.1806,  
0.4102

157.4490, 0.2916,  
0.3419

 0.0000, 0.0000,  
0.0000

195.1086, 0.2931,

0.3410

238.3399, 0.2944,  
0.3403

■ 26.9732, 0.2748,  
0.3524

■ 26.9732, 0.2748,  
0.3524

■ 26.0905, 0.2660,  
0.3603

■ 28.0229, 0.2848,  
0.3450

■ 25.3625, 0.2586,  
0.3687

■ 29.2447, 0.2956,  
0.3381

■ 24.7802, 0.2528,  
0.3773

■ 30.6475, 0.3070,  
0.3318


■ 24.3325, 0.2489,  
0.3862


■ 32.2388, 0.3188,  
0.3262


■ 24.0065, 0.2469,  
0.3951


■ 34.0253, 0.3307,  
0.3211


 23.7858, 0.2466,  
0.4040

 36.0137, 0.3426,  
0.3166

 23.6915, 0.2468,  
0.4086

 38.2102, 0.3543,  
0.3126

 40.6208, 0.3657,  
0.3091

 43.2513, 0.3768,  
0.3061

# Harmonies

## Analogous

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



26.9732, 0.3063, 0.3799



26.9732, 0.2748, 0.3524



26.9732, 0.2540, 0.3189

# Triad

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



26.9732, 0.2748, 0.3524



26.9732, 0.2826, 0.2732



26.9732, 0.3817, 0.3619

# Complementary

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



26.9732, 0.2748, 0.3524



16.7638, 0.3725, 0.3072

# 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.



26.9732, 0.3750, 0.3339



26.9732, 0.2748, 0.3524



26.9732, 0.3162, 0.2846

# Square

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



26.9732, 0.2748, 0.3524



26.9732, 0.2583, 0.2749



26.9732, 0.3505, 0.3063



26.9732, 0.3687, 0.3835



# Rectangle

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



26.9732, 0.2748, 0.3524



26.9732, 0.2483, 0.2990



26.9732, 0.3505, 0.3063



26.9732, 0.3817, 0.3529

# Sweetspot

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



26.9743, 0.2748, 0.3524



52.7373, 0.3009, 0.3351



26.8185, 0.3209, 0.4262



11.9147, 0.2994, 0.3359



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.



26.9743, 0.2748, 0.3524



46.3489, 0.2677, 0.3587



23.3107, 0.2616, 0.3048



7.0007, 0.3020, 0.3345



19.8685, 0.2467, 0.4080



0.3026, 0.2357, 0.3686



# Inverse Universe

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



16.7638, 0.3725, 0.3072



25.5140, 0.3928, 0.3022



19.2162, 0.3847, 0.3517



6.2462, 0.3247, 0.3236



5.7145, 0.5894, 0.3021



0.0905, 0.4882, 0.2463



# Previews

## White Background



This preview shows how the Yxy color 26.9732, 0.2748, 0.3524 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 26.9732, 0.2748, 0.3524 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

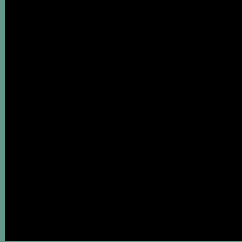
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

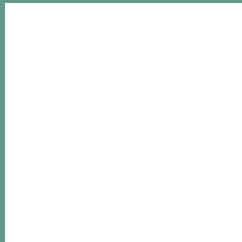
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 26.9732, 0.2748, 0.3524**

## Background



This preview shows how black text looks on a background with the Yxy color 26.9732, 0.2748, 0.3524.

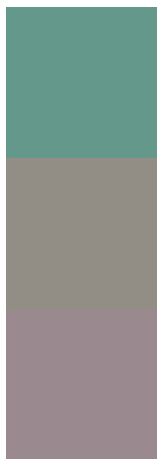


This preview shows how white text looks on a background with the Yxy color 26.9732, 0.2748, 0.3524.

# 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

26.9732, 0.2748, 0.3524

### Protanopia

26.8542, 0.3263, 0.3421

### Deuteranopia

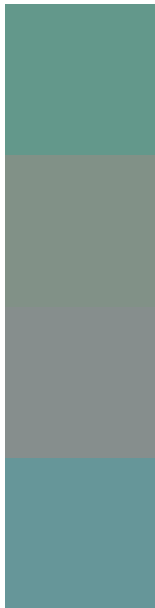
26.7143, 0.3264, 0.3211



## Tritanopia

27.0112, 0.2612, 0.3083

# Trichromacy



## Original Color

26.9732, 0.2748, 0.3524

## Protanomaly

26.6672, 0.3057, 0.3461

## Deuteranomaly

26.3374, 0.3052, 0.3307

## Tritanomaly

26.9374, 0.2659, 0.3236

# Monochromacy



## Original Color

26.9732, 0.2748, 0.3524

## Achromatopsia

24.2281, 0.3127, 0.3290

## Achromatomaly

24.9649, 0.2976, 0.3378

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.9732, 0.2748, 0.3524 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(99, 152, 139)` looks like.

```
.text, #text, p{  
    color:rgb(99, 152, 139)  
}
```

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(99, 152, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 152, 139) }
```

## Border

The CSS property to change the border of an element to Yxy 26.9732, 0.2748, 0.3524 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(99, 152, 139) }
```

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

```
.border{ border-color:rgb(99, 152, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 152, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 152, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 152, 139);  
box-shadow:4px 4px 4px 4px rgb(99, 152,  
139) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.9732, 0.2748, 0.3524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 152, 139) }
```

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

```
.background{ background-color: rgb(99, 152,  
139) }
```

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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