

# Converting Colors

$Y_{xy}(26.1758, 0.2776, 0.4211)$

Have a look what the booklet for  
Yxy(26.1758, 0.2776, 0.4211)  
contains.

<b>Yxy(26.2207, 0.2778, 0.4223)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**$Y_{xy}(26.2207, 0.2778, 0.4223)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	479C6D
RGB	71, 156, 109
RGB Percent	28%, 61%, 43%
CMY	0.7215, 0.3882, 0.5725
CMYK	0.54, 0.00, 0.30, 0.39
HSL	147°, 37%, 45%
HSV	147°, 54%, 61%
XYZ	17.2487, 26.2207, 18.6209
YIQ	125.2270, -35.5730, -32.6370

# Conversions

## Conversions Part 2

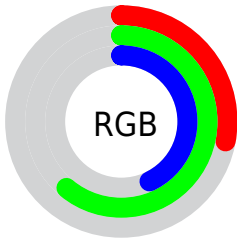
<b>Format</b>	<b>Color</b>
<b>RYB</b>	71, 130, 156
Decimal	4693101
CIELab	58.25, -36.95, 17.00
CIELCh	58, 40.668, 155.296
Yxy	26.2207, 0.2778, 0.4223
Android (android.graphics.Color)	4282883181 (0xFF479C6D)
YUV	125.2270, -7.9999, -47.5571
Hunter-Lab	51.2062, -29.4835, 14.2838

# Details

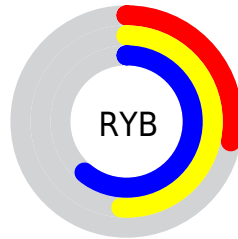
The Yxy color **26.2207, 0.2778, 0.4223** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.8859, 0.3791, 0.2540**, and the grayscale version is **20.6277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.5974, 0.2861, 0.4001**, and **10.2440, 0.2623, 0.4628** is the 20% darker color. If you saturate the color by 10%, you get **25.5287, 0.2745, 0.4433**, and if you desaturate by 10%, it is **27.0845, 0.2825, 0.4020**.

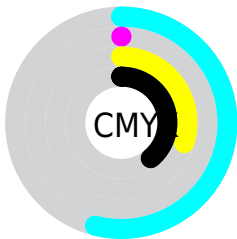
# Distribution



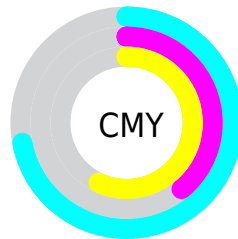
- Red (28%)
- Green (61%)
- Blue (43%)



- Red (28%)
- Yellow (51%)
- Blue (61%)



- Cyan (54%)
- Magenta (0%)
- Yellow (30%)
- Black (39%)




- Cyan (72%)
- Magenta (39%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.2207, 0.2778, 0.4223 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 26.2207, 0.2778, 0.4223 by changing the saturation by 10% instead.




 26.2207, 0.2778,  
0.4223

 26.2207, 0.2778,  
0.4223


283.8638, 0.2982,  
0.3685


 16.9888, 0.2714,  
0.4388


 53.6308, 0.2861,  
0.4007


 10.2265, 0.2622,  
0.4621


 72.5778, 0.2889,  
0.3932


 5.5494, 0.2479,  
0.4977

 95.5319, 0.2912,  
0.3872

 2.5731, 0.2233,  
0.5575

 122.8776, 0.2931,  
0.3822

 0.9132, 0.0000,  
1.0000

 154.9992, 0.2947,  
0.3779

 0.0000, 0.0000,  
0.0000

192.2812, 0.2961,

0.3743

235.1079, 0.2972,  
0.3712

■ 26.2207, 0.2778,  
0.4223

■ 26.2207, 0.2778,  
0.4223

■ 25.5287, 0.2745,  
0.4433

■ 27.0845, 0.2825,  
0.4020

■ 24.9930, 0.2729,  
0.4646

■ 28.1280, 0.2883,  
0.3830

■ 24.6004, 0.2731,  
0.4856

■ 29.3624, 0.2949,  
0.3654

■ 24.3338, 0.2752,  
0.5054

■ 30.7970, 0.3020,  
0.3494

■ 24.2158, 0.2766,  
0.5159

■ 32.4405, 0.3094,  
0.3349

■ 34.3012, 0.3168,  
0.3221

■ 36.3868, 0.3242,  
0.3107

■ 38.7046, 0.3313,  
0.3007

■ 41.2616, 0.3383,  
0.2919

# Harmonies

## Analogous

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



26.2207, 0.3439, 0.4548



26.2207, 0.2778, 0.4223



26.2207, 0.2245, 0.3545

# Triad

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



26.2207, 0.2778, 0.4223



26.2207, 0.2203, 0.2238



26.2207, 0.4452, 0.3484

# Complementary

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



26.2207, 0.2778, 0.4223



12.8859, 0.3791, 0.2540

# 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.



26.2207, 0.4051, 0.2981



26.2207, 0.2778, 0.4223



26.2207, 0.2702, 0.2299

# Square

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



26.2207, 0.2778, 0.4223



26.2207, 0.1951, 0.2417



26.2207, 0.3381, 0.2563



26.2207, 0.4437, 0.3997



# Rectangle

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



26.2207, 0.2778, 0.4223



26.2207, 0.2025, 0.3073



26.2207, 0.3381, 0.2563



26.2207, 0.4361, 0.3311

# Sweetspot

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



26.2218, 0.2778, 0.4223



55.4271, 0.3007, 0.3522



28.1668, 0.3493, 0.4763



12.0847, 0.2993, 0.3551



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.



26.2218, 0.2778, 0.4223



46.1702, 0.2741, 0.4472



27.3304, 0.2485, 0.3392



7.4479, 0.3059, 0.3416



19.9531, 0.2763, 0.5146



0.3652, 0.2551, 0.4382



# Inverse Universe

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



12.8859, 0.3791, 0.2540



19.4310, 0.4012, 0.2416



12.1089, 0.4576, 0.3204



6.7045, 0.3202, 0.3167



6.3859, 0.4697, 0.2361



0.1226, 0.3976, 0.1964



# Previews

## White Background



This preview shows how the Yxy color 26.2207, 0.2778, 0.4223 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 26.2207, 0.2778, 0.4223 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 26.2207, 0.2778, 0.4223**

## Background



This preview shows how black text looks on a background with the Yxy color 26.2207, 0.2778, 0.4223.



This preview shows how white text looks on a background with the Yxy color 26.2207, 0.2778, 0.4223.

# 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

26.2207, 0.2778, 0.4223

### Protanopia

25.8889, 0.3656, 0.3918

### Deuteranopia

25.8422, 0.3666, 0.3608



## Tritanopia

26.0465, 0.2481, 0.3075

# Trichromacy



## Original Color

26.2207, 0.2778, 0.4223

## Protanomaly

25.3152, 0.3270, 0.4036

## Deuteranomaly

25.1050, 0.3275, 0.3824

## Tritanomaly

26.1588, 0.2591, 0.3475

# Monochromacy



## Original Color

26.2207, 0.2778, 0.4223

## Achromatopsia

20.5079, 0.3127, 0.3290

## Achromatomaly

21.9435, 0.2961, 0.3618

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.2207, 0.2778, 0.4223 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(71, 156, 109)` looks like.

```
.text, #text, p{  
    color:rgb(71, 156, 109)  
}
```

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(71, 156, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 156, 109) }
```

## Border

The CSS property to change the border of an element to Yxy 26.2207, 0.2778, 0.4223 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(71, 156, 109) }
```

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

```
.border{ border-color:rgb(71, 156, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 156, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 156, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 156, 109);  
box-shadow:4px 4px 4px 4px rgb(71, 156,  
109) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.2207, 0.2778, 0.4223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 156, 109) }
```

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

```
.background{ background-color: rgb(71, 156,  
109) }
```

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](#).

# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor