

Converting Colors

$Y_{xy}(26.7148, 0.2710, 0.3774)$

Have a look what the booklet for
Yxy(26.7148, 0.2710, 0.3774)
contains.

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Color

$\text{Yxy}(26.8667, 0.2709, 0.3781)$

Conversions

Conversions Part 1

Format	Color
Hex	539B81
RGB	83, 155, 129
RGB Percent	33%, 61%, 51%
CMY	0.6746, 0.3921, 0.4941
CMYK	0.46, 0.00, 0.17, 0.39
HSL	158°, 30%, 47%
HSV	158°, 46%, 61%
XYZ	19.2494, 26.8667, 24.9411
YIQ	130.5080, -34.5660, -23.3500

Conversions

Conversions Part 2

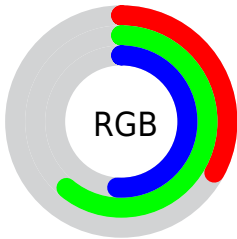
Format	Color
RYB	83, 127, 155
Decimal	5479297
CIELab	58.85, -29.01, 6.68
CIElCh	59, 29.765, 167.029
Yxy	26.8667, 0.2709, 0.3781
Android (android.graphics.Color)	4283669377 (0xFF539B81)
YUV	130.5080, -0.7434, -41.6645
Hunter-Lab	51.8331, -24.4180, 7.7540

Details

The Yxy color **26.8667, 0.2709, 0.3781** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.2553, 0.3888, 0.2862**, and the grayscale version is **22.5229, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.7048, 0.2795, 0.3672**, and **10.5266, 0.2551, 0.3962** is the 20% darker color. If you saturate the color by 10%, you get **26.0953, 0.2647, 0.3910**, and if you desaturate by 10%, it is **27.8060, 0.2784, 0.3659**.

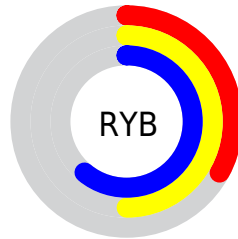
Distribution



Red (33%)

Green (61%)

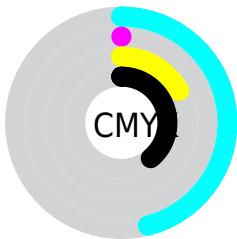
Blue (51%)



Red (33%)

Yellow (50%)

Blue (61%)

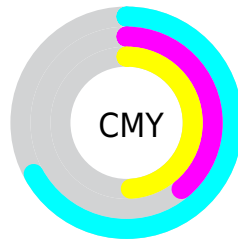


Cyan (46%)

Magenta (0%)

Yellow (17%)

Black (39%)



Cyan (67%)


Magenta (39%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.8667, 0.2709, 0.3781 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 26.8667, 0.2709, 0.3781 by changing the saturation by 10% instead.


 26.8667, 0.2709,
0.3781


 26.8667, 0.2709,
0.3781


287.0111, 0.2940,
0.3506


 17.4731, 0.2643,
0.3862


 54.6699, 0.2799,
0.3672


 10.5724, 0.2551,
0.3975


 73.8483, 0.2831,
0.3634


 5.7801, 0.2418,
0.4143

 97.0571, 0.2857,
0.3603

 2.7118, 0.2206,
0.4417

 124.6807, 0.2879,
0.3577

 0.9832, 0.1236,
0.5443

 157.1036, 0.2898,
0.3555

 0.0000, 0.0000,
0.0000

194.7100, 0.2914,

0.3536

237.8844, 0.2928,
0.3520

■ 26.8667, 0.2709,
0.3781

■ 26.8667, 0.2709,
0.3781

■ 26.0953, 0.2647,
0.3910

■ 27.8060, 0.2784,
0.3659

■ 25.4778, 0.2602,
0.4044

■ 28.9198, 0.2870,
0.3546

■ 25.0032, 0.2575,
0.4180

■ 30.2182, 0.2963,
0.3441

■ 24.6576, 0.2568,
0.4317

■ 31.7094, 0.3062,
0.3346

■ 24.4203, 0.2578,
0.4452

■ 33.4014, 0.3163,
0.3261

■ 24.3467, 0.2583,
0.4500

■ 35.3016, 0.3265,
0.3184

■ 37.4170, 0.3366,
0.3117

■ 39.7542, 0.3465,
0.3057

■ 42.3197, 0.3562,
0.3005

Harmonies

Analogous

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



26.8667, 0.3181, 0.4128



26.8667, 0.2709, 0.3781



26.8667, 0.2366, 0.3284

Triad

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



26.8667, 0.2709, 0.3781



26.8667, 0.2568, 0.2494



26.8667, 0.4125, 0.3614

Complementary

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



26.8667, 0.2709, 0.3781



14.2553, 0.3888, 0.2862

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.



26.8667, 0.3941, 0.3218



26.8667, 0.2709, 0.3781



26.8667, 0.3008, 0.2602

Square

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



26.8667, 0.2709, 0.3781



26.8667, 0.2293, 0.2569



26.8667, 0.3518, 0.2859



26.8667, 0.4014, 0.3971

Rectangle

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



26.8667, 0.2709, 0.3781



26.8667, 0.2246, 0.2973



26.8667, 0.3518, 0.2859



26.8667, 0.4096, 0.3482

Sweetspot

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



26.8678, 0.2709, 0.3781



54.6693, 0.2985, 0.3420



27.3448, 0.3306, 0.4603



12.2579, 0.2965, 0.3440



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.



26.8678, 0.2709, 0.3781



46.6530, 0.2644, 0.3918



24.5785, 0.2491, 0.3112



6.9887, 0.3034, 0.3372



19.5611, 0.2580, 0.4489



0.2994, 0.2418, 0.3904

Inverse Universe

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



14.2553, 0.3888, 0.2862



21.1592, 0.4165, 0.2777



15.3482, 0.4265, 0.3453



6.2577, 0.3230, 0.3210



5.8329, 0.5479, 0.2792



0.0938, 0.4447, 0.2224

Previews

White Background



This preview shows how the Yxy color 26.8667, 0.2709, 0.3781 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 26.8667, 0.2709, 0.3781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

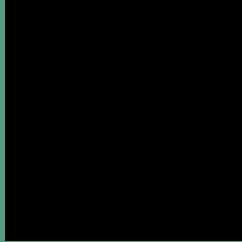
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.8667, 0.2709, 0.3781

Background



This preview shows how black text looks on a background with the Yxy color 26.8667, 0.2709, 0.3781.



This preview shows how white text looks on a background with the Yxy color 26.8667, 0.2709, 0.3781.

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

26.8667, 0.2709, 0.3781

Protanopia

26.4572, 0.3404, 0.3587

Deuteranopia

26.4699, 0.3398, 0.3338



Tritanopia

26.6966, 0.2519, 0.3078

Trichromacy



Original Color

26.8667, 0.2709, 0.3781

Protanomaly

26.0166, 0.3100, 0.3643

Deuteranomaly

26.0567, 0.3097, 0.3479

Tritanomaly

26.7823, 0.2589, 0.3325

Monochromacy



Original Color

26.8667, 0.2709, 0.3781

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

23.9453, 0.2950, 0.3472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.8667, 0.2709, 0.3781 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(83, 155, 129)` looks like.

```
.text, #text, p{  
    color:rgb(83, 155, 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(83, 155, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 155, 129) }
```

Border

The CSS property to change the border of an element to Yxy 26.8667, 0.2709, 0.3781 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(83, 155, 129) }
```

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

```
.border{ border-color:rgb(83, 155, 129) }
```

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

Here you see how a box with a 4 pixel rgb(83, 155, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 155, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 155, 129);  
box-shadow:4px 4px 4px 4px rgb(83, 155,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 26.8667, 0.2709, 0.3781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 155, 129) }
```

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

```
.background{ background-color: rgb(83, 155,  
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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