

Converting Colors

$Y_{xy}(27.8057, 0.2844, 0.3779)$

Have a look what the booklet for
Yxy(27.8057, 0.2844, 0.3779)
contains.

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Color

Yxy(27.7105, 0.2849, 0.3783)

Conversions

Conversions Part 1

Format	Color
Hex	649B80
RGB	100, 155, 128
RGB Percent	39%, 61%, 50%
CMY	0.6080, 0.3921, 0.4980
CMYK	0.36, 0.00, 0.17, 0.39
HSL	151°, 22%, 50%
HSV	151°, 36%, 61%
XYZ	20.8689, 27.7105, 24.6706
YIQ	135.4770, -24.1130, -20.0570

Conversions

Conversions Part 2

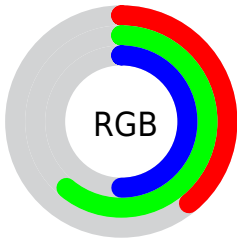
Format	Color
RYB	100, 136, 155
Decimal	6593408
CIELab	59.63, -24.33, 8.46
CIElCh	60, 25.764, 160.825
Yxy	27.7105, 0.2849, 0.3783
Android (android.graphics.Color)	4284783488 (0xFF649B80)
YUV	135.4770, -3.6862, -31.1133
Hunter-Lab	52.6408, -21.3567, 9.0617

Details

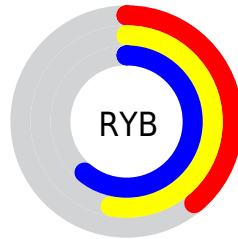
The Yxy color **27.7105, 0.2849, 0.3783** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.6059, 0.3543, 0.2848**, and the grayscale version is **24.4324, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.2017, 0.2911, 0.3675**, and **10.9431, 0.2742, 0.3961** is the 20% darker color. If you saturate the color by 10%, you get **26.7179, 0.2786, 0.3952**, and if you desaturate by 10%, it is **28.8885, 0.2921, 0.3627**.

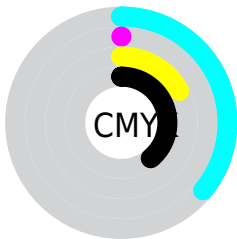
Distribution



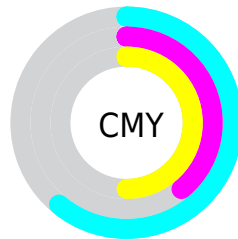
- Red (39%)
- Green (61%)
- Blue (50%)



- Red (39%)
- Yellow (53%)
- Blue (61%)



- Cyan (36%)
- Magenta (0%)
- Yellow (17%)
- Black (39%)





- Cyan (61%)
- Magenta (39%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7105, 0.2849, 0.3783 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 27.7105, 0.2849, 0.3783 by changing the saturation by 10% instead.


 27.7105, 0.2849,
0.3783


 27.7105, 0.2849,
0.3783


291.0810, 0.3004,
0.3507

 18.1075, 0.2804,
0.3864


 56.0219, 0.2910,
0.3674


 11.0272, 0.2742,
0.3977


 75.4992, 0.2931,
0.3636

 6.0852, 0.2650,
0.4144

 99.0366, 0.2949,
0.3605

 2.8969, 0.2501,
0.4416

 127.0187, 0.2963,
0.3579

 1.0782, 0.2028,
0.5219

159.8298, 0.2976,
0.3557

 0.0000, 0.0000,
0.0000

197.8542, 0.2987,

0.3538

241.4765, 0.2996,
0.3521

■ 27.7105, 0.2849,
0.3783

■ 27.7105, 0.2849,
0.3783

■ 26.7179, 0.2786,
0.3952

■ 28.8885, 0.2921,
0.3627

■ 25.8975, 0.2734,
0.4131

■ 30.2577, 0.3000,
0.3484

■ 25.2394, 0.2698,
0.4317

■ 31.8276, 0.3081,
0.3355

■ 24.7316, 0.2679,
0.4506

■ 33.6063, 0.3164,
0.3240

■ 24.3601, 0.2680,
0.4693

■ 35.6014, 0.3247,
0.3138

■ 24.1063, 0.2699,
0.4874

■ 37.8199, 0.3329,
0.3047

■ 24.0106, 0.2709,
0.4953

■ 40.2688, 0.3407,
0.2968

■ 42.9545, 0.3483,
0.2899

■ 45.8833, 0.3556,
0.2838

Harmonies

Analogous

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



27.7105, 0.3268, 0.4032



27.7105, 0.2849, 0.3783



27.7105, 0.2519, 0.3378

Triad

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



27.7105, 0.2849, 0.3783



27.7105, 0.2582, 0.2599



27.7105, 0.3969, 0.3508

Complementary

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



27.7105, 0.2849, 0.3783



17.6059, 0.3543, 0.2848

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.



27.7105, 0.3762, 0.3163



27.7105, 0.2849, 0.3783



27.7105, 0.2941, 0.2660

Square

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



27.7105, 0.2849, 0.3783



27.7105, 0.2375, 0.2704



27.7105, 0.3376, 0.2862



27.7105, 0.3929, 0.3828

Rectangle

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



27.7105, 0.2849, 0.3783



27.7105, 0.2388, 0.3102



27.7105, 0.3376, 0.2862



27.7105, 0.3926, 0.3392

Sweetspot

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



27.7116, 0.2849, 0.3783



55.3449, 0.3035, 0.3427



28.9148, 0.3351, 0.4241



12.4490, 0.3024, 0.3443



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.



27.7116, 0.2849, 0.3783



48.1182, 0.2796, 0.3922



28.5201, 0.2639, 0.3289



6.9755, 0.3051, 0.3401



19.2900, 0.2705, 0.4939



0.2957, 0.2496, 0.4187

Inverse Universe

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



17.6059, 0.3543, 0.2848



27.1472, 0.3682, 0.2744



16.9938, 0.3947, 0.3292



6.2707, 0.3211, 0.3181



6.0244, 0.4952, 0.2502



0.0974, 0.4078, 0.2020

Previews

White Background



This preview shows how the Yxy color 27.7105, 0.2849, 0.3783 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 27.7105, 0.2849, 0.3783 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 27.7105, 0.2849, 0.3783

Background



This preview shows how black text looks on a background with the Yxy color 27.7105, 0.2849, 0.3783.



This preview shows how white text looks on a background with the Yxy color 27.7105, 0.2849, 0.3783.

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

27.7105, 0.2849, 0.3783

Protanopia

27.5341, 0.3418, 0.3632

Deuteranopia

27.4200, 0.3450, 0.3384



Tritanopia

27.6095, 0.2639, 0.3085

Trichromacy



Original Color

27.7105, 0.2849, 0.3783

Protanomaly

27.2282, 0.3192, 0.3685

Deuteranomaly

27.0742, 0.3202, 0.3508

Tritanomaly

27.6617, 0.2711, 0.3324

Monochromacy



Original Color

27.7105, 0.2849, 0.3783

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.1495, 0.3014, 0.3467

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7105, 0.2849, 0.3783 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, 155, 128)` looks like.

```
.text, #text, p{  
    color:rgb(100, 155, 128)  
}
```

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, 155, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 155, 128) }
```

Border

The CSS property to change the border of an element to Yxy 27.7105, 0.2849, 0.3783 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, 155, 128) }
```

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

```
.border{ border-color:rgb(100, 155, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 155, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 155, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 155, 128);  
box-shadow:4px 4px 4px 4px rgb(100, 155,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7105, 0.2849, 0.3783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 155, 128) }
```

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

```
.background{ background-color: rgb(100,  
155, 128) }
```

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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