

Converting Colors

$Y_{xy}(27.9260, 0.2483, 0.3079)$

Have a look what the booklet for
Yxy(27.9260, 0.2483, 0.3079)
contains.

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Color

$Y_{xy}(27.9882, 0.2483, 0.3081)$

Conversions

Conversions Part 1

Format	Color
Hex	599AA6
RGB	89, 154, 166
RGB Percent	35%, 60%, 65%
CMY	0.6512, 0.3960, 0.3490
CMYK	0.46, 0.07, 0.00, 0.35
HSL	189°, 30%, 50%
HSV	189°, 46%, 65%
XYZ	22.5559, 27.9882, 40.2972
YIQ	135.9330, -42.5920, -10.0480

Conversions

Conversions Part 2

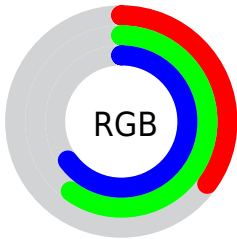
Format	Color
R _Y B	89, 124, 166
Decimal	5872294
CIE Lab	59.88, -17.50, -12.77
CIE LCh	60, 21.665, 216.115
Yxy	27.9882, 0.2483, 0.3081
Android (android.graphics.Color)	4284062374 (0xFF599AA6)
YUV	135.9330, 14.8230, -41.1602
Hunter-Lab	52.9039, -16.4772, -8.1288

Details

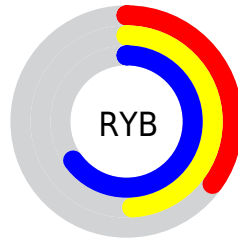
The Yxy color **27.9882, 0.2483, 0.3081** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.1290, 0.4259, 0.3481**, and the grayscale version is **24.5464, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.6610, 0.2611, 0.3136**, and **11.2225, 0.2272, 0.3005** is the 20% darker color. If you saturate the color by 10%, you get **26.4142, 0.2375, 0.3028**, and if you desaturate by 10%, it is **29.7679, 0.2605, 0.3132**.

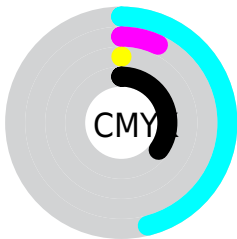
Distribution



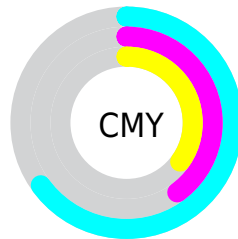
- Red (35%)
- Green (60%)
- Blue (65%)



- Red (35%)
- Yellow (49%)
- Blue (65%)



- Cyan (46%)
- Magenta (7%)
- Yellow (0%)
- Black (35%)





- Cyan (65%)
- Magenta (40%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9882, 0.2483, 0.3081 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 27.9882, 0.2483, 0.3081 by changing the saturation by 10% instead.


 27.9882, 0.2483,
0.3081


 27.9882, 0.2483,
0.3081


292.4105, 0.2825,
0.3201

 18.3168, 0.2391,
0.3045


 56.4656, 0.2612,
0.3129

 11.1776, 0.2270,
0.2994


 76.0404, 0.2659,
0.3146

 6.1865, 0.2101,
0.2919

 99.6850, 0.2698,
0.3159

 2.9588, 0.1854,
0.2797

 127.7840, 0.2731,
0.3171

 1.1103, 0.1425,
0.2585

160.7216, 0.2760,
0.3180

 0.0000, 0.0000,
0.0000

198.8823, 0.2784,

0.3188

242.6505, 0.2806,
0.3195

■ 27.9882, 0.2483,
0.3081

■ 27.9882, 0.2483,
0.3081

■ 26.4142, 0.2375,
0.3028

■ 29.7679, 0.2605,
0.3132

■ 25.0300, 0.2284,
0.2974

■ 31.7617, 0.2739,
0.3179

■ 23.8223, 0.2211,
0.2919

■ 33.9813, 0.2882,
0.3224

■ 22.7746, 0.2157,
0.2865

■ 36.4364, 0.3030,
0.3265

■ 21.8638, 0.2120,
0.2810

■ 39.1365, 0.3182,
0.3303

■ 21.5532, 0.2109,
0.2791

■ 42.0902, 0.3334,
0.3337

■ 45.3057, 0.3484,
0.3367

■ 48.7910, 0.3632,
0.3394

■ 52.5537, 0.3775,
0.3418

Harmonies

Analogous

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



27.9882, 0.2651, 0.3422



27.9882, 0.2483, 0.3081



27.9882, 0.2476, 0.2826

Triad

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



27.9882, 0.2483, 0.3081



27.9882, 0.3280, 0.2893



27.9882, 0.3627, 0.3898

Complementary

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



27.9882, 0.2483, 0.3081



18.1290, 0.4259, 0.3481

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.



27.9882, 0.3819, 0.3711



27.9882, 0.2483, 0.3081



27.9882, 0.3616, 0.3142

Square

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



27.9882, 0.2483, 0.3081



27.9882, 0.2919, 0.2737



27.9882, 0.3817, 0.3435



27.9882, 0.3306, 0.3920

Rectangle

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



27.9882, 0.2483, 0.3081



27.9882, 0.2562, 0.2732



27.9882, 0.3817, 0.3435



27.9882, 0.3710, 0.3851

Sweetspot

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



27.9893, 0.2483, 0.3081



62.5845, 0.2913, 0.3233



30.3300, 0.2980, 0.4500



13.8052, 0.2883, 0.3224



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



27.9893, 0.2483, 0.3081



47.7630, 0.2369, 0.3025



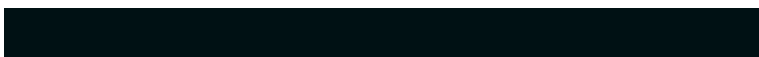
17.3489, 0.2358, 0.2373



8.3300, 0.2987, 0.3254



16.7653, 0.2110, 0.2796



0.4597, 0.2160, 0.2975

Inverse Universe

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



17.5791, 0.3335, 0.2333



27.0344, 0.3396, 0.2143



27.3073, 0.3973, 0.4053



7.6462, 0.3160, 0.3101



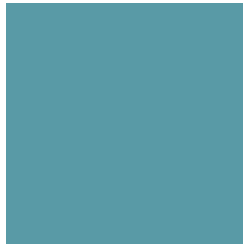
7.7635, 0.3638, 0.1778



0.1941, 0.3476, 0.1689

Previews

White Background



This preview shows how the Yxy color 27.9882, 0.2483, 0.3081 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 27.9882, 0.2483, 0.3081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

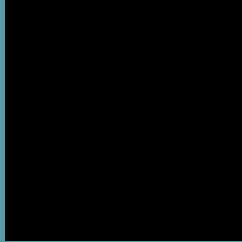
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9882, 0.2483, 0.3081

Background



This preview shows how black text looks on a background with the Yxy color 27.9882, 0.2483, 0.3081.



This preview shows how white text looks on a background with the Yxy color 27.9882, 0.2483, 0.3081.

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

27.9882, 0.2483, 0.3081

Protanopia

27.8989, 0.2964, 0.3036

Deuteranopia

27.6405, 0.2902, 0.2842



Tritanopia

27.9882, 0.2483, 0.3081

Trichromacy



Original Color

27.9882, 0.2483, 0.3081

Protanomaly

27.6870, 0.2760, 0.3042

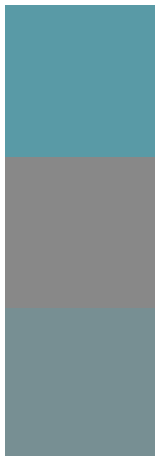
Deuteranomaly

27.4379, 0.2727, 0.2916

Tritanomaly

27.9882, 0.2483, 0.3081

Monochromacy



Original Color

27.9882, 0.2483, 0.3081

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.6734, 0.2847, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9882, 0.2483, 0.3081 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(89, 154, 166)` looks like.

```
.text, #text, p{  
    color:rgb(89, 154, 166)  
}
```

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(89, 154, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 154, 166) }
```

Border

The CSS property to change the border of an element to Yxy 27.9882, 0.2483, 0.3081 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(89, 154, 166) }
```

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

```
.border{ border-color:rgb(89, 154, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 154, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 154, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 154, 166);  
box-shadow:4px 4px 4px 4px rgb(89, 154,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9882, 0.2483, 0.3081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 154, 166) }
```

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

```
.background{ background-color: rgb(89, 154,  
166) }
```

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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