

Converting Colors

$Y_{xy}(27.8425, 0.2695, 0.2809)$

Have a look what the booklet for
Yxy(27.8425, 0.2695, 0.2809)
contains.

Yxy(27.9351, 0.2697, 0.2815)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.9351, 0.2697, 0.2815)

Conversions

Conversions Part 1

Format	Color
Hex	8091AF
RGB	128, 145, 175
RGB Percent	50%, 57%, 69%
CMY	0.4981, 0.4314, 0.3137
CMYK	0.27, 0.17, 0.00, 0.31
HSL	218°, 23%, 59%
HSV	218°, 27%, 69%
XYZ	26.7641, 27.9351, 44.5374
YIQ	143.3370, -19.7620, 5.7260

Conversions

Conversions Part 2

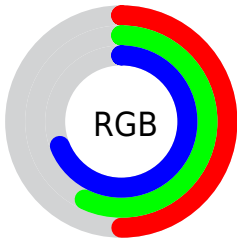
Format	Color
RYB	128, 140, 175
Decimal	8425903
CIELab	59.83, 0.87, -17.72
CIElCh	60, 17.743, 272.811
Yxy	27.9351, 0.2697, 0.2815
Android (android.graphics.Color)	4286615983 (0xFF8091AF)
YUV	143.3370, 15.6099, -13.4505
Hunter-Lab	52.8537, -2.1049, -12.9634

Details

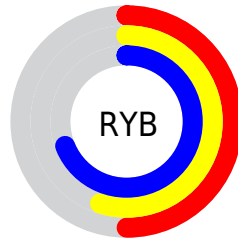
The Yxy color **27.9351, 0.2697, 0.2815** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **35.1210, 0.3583, 0.3723**, and the grayscale version is **27.5522, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.5615, 0.2785, 0.2910**, and **11.2093, 0.2561, 0.2671** is the 20% darker color. If you saturate the color by 10%, you get **23.4476, 0.2524, 0.2603**, and if you desaturate by 10%, it is **32.9943, 0.2865, 0.3008**.

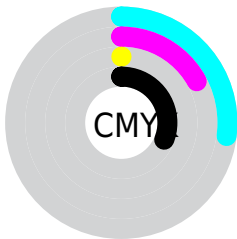
Distribution



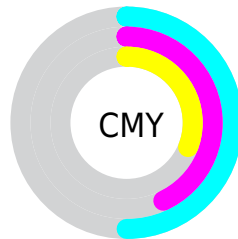
- Red (50%)
- Green (57%)
- Blue (69%)



- Red (50%)
- Yellow (55%)
- Blue (69%)



- Cyan (27%)
- Magenta (17%)
- Yellow (0%)
- Black (31%)



- Cyan (50%)
- Magenta (43%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.9351, 0.2697, 0.2815 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 27.9351, 0.2697, 0.2815 by changing the saturation by 10% instead.

■ 27.9351, 0.2697,
0.2815

■ 27.9351, 0.2697,
0.2815

■ 292.1567, 0.2928,
0.3069

■ 18.2767, 0.2634,
0.2746

■ 56.3808, 0.2785,
0.2912

■ 11.1489, 0.2550,
0.2654

■ 75.9370, 0.2817,
0.2947

■ 6.1670, 0.2431,
0.2525

■ 99.5611, 0.2843,
0.2976

■ 2.9469, 0.2255,
0.2333

■ 127.6378, 0.2865,
0.3000

■ 1.1041, 0.1967,
0.2021

■ 160.5513, 0.2884,
0.3021

■ 0.0000, 0.0027,
0.0000

■ 198.6860, 0.2901,

■ 0.0000, 0.0000,

0.3039

0.0000

242.4263, 0.2915,
0.3055

■ 27.9351, 0.2697,
0.2815

■ 27.9351, 0.2697,
0.2815

■ 23.4476, 0.2524,
0.2603

■ 32.9943, 0.2865,
0.3008

■ 19.5068, 0.2350,
0.2376

■ 38.6422, 0.3024,
0.3182

■ 16.0907, 0.2180,
0.2137

■ 44.8994, 0.3173,
0.3337

■ 13.1743, 0.2022,
0.1893

■ 51.7840, 0.3311,
0.3473

■ 10.7300, 0.1882,
0.1652

■ 59.3139, 0.3438,
0.3593

■ 8.7271, 0.1767,
0.1426

■ 67.5057, 0.3554,
0.3698

■ 7.1261, 0.1680,
0.1221

■ 76.3757, 0.3660,
0.3789

■ 6.6874, 0.1656,
0.1162

■ 83.3917, 0.3661,
0.3889

■ 89.9636, 0.3629,
0.3992

Harmonies

Analogous

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



27.9351, 0.2582, 0.2929



27.9351, 0.2697, 0.2815



27.9351, 0.2927, 0.2823

Triad

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



27.9351, 0.2697, 0.2815



27.9351, 0.3680, 0.3387



27.9351, 0.3015, 0.3679

Complementary

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



27.9351, 0.2697, 0.2815



35.1210, 0.3583, 0.3723

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.



27.9351, 0.3309, 0.3808



27.9351, 0.2697, 0.2815



27.9351, 0.3702, 0.3619

Square

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



27.9351, 0.2697, 0.2815



27.9351, 0.3501, 0.3144



27.9351, 0.3563, 0.3779



27.9351, 0.2759, 0.3431

Rectangle

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



27.9351, 0.2697, 0.2815



27.9351, 0.3120, 0.2891



27.9351, 0.3563, 0.3779



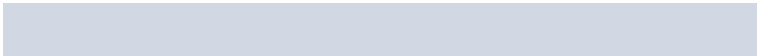
27.9351, 0.3112, 0.3739

Sweetspot

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



27.9362, 0.2697, 0.2815



67.8556, 0.3004, 0.3161



37.7083, 0.2866, 0.3557



14.7368, 0.2981, 0.3136



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



27.9362, 0.2697, 0.2815



45.3349, 0.2599, 0.2697



23.6214, 0.2731, 0.2547



8.2140, 0.2986, 0.3141



4.8971, 0.1662, 0.1183



0.2420, 0.1840, 0.1822

Inverse Universe

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



26.5948, 0.3490, 0.3042



42.8620, 0.3594, 0.2987



40.6228, 0.3465, 0.3962



8.0615, 0.3232, 0.3208



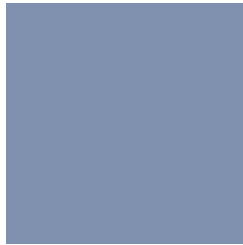
6.7974, 0.5491, 0.2798



0.1998, 0.4659, 0.2340

Previews

White Background



This preview shows how the Yxy color 27.9351, 0.2697, 0.2815 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 27.9351, 0.2697, 0.2815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

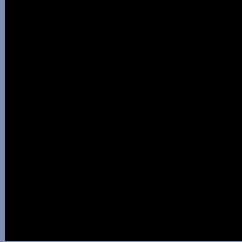
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

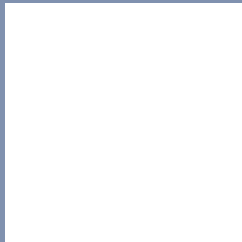
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.9351, 0.2697, 0.2815

Background



This preview shows how black text looks on a background with the Yxy color 27.9351, 0.2697, 0.2815.



This preview shows how white text looks on a background with the Yxy color 27.9351, 0.2697, 0.2815.

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

27.9351, 0.2697, 0.2815

Protanopia

27.9804, 0.2792, 0.2822

Deuteranopia

27.9351, 0.2812, 0.2755



Tritanopia

28.0430, 0.2805, 0.3108

Trichromacy



Original Color

27.9351, 0.2697, 0.2815

Protanomaly

28.0708, 0.2757, 0.2820

Deuteranomaly

27.7990, 0.2766, 0.2763

Tritanomaly

28.0197, 0.2763, 0.2997

Monochromacy



Original Color

27.9351, 0.2697, 0.2815

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.7163, 0.2961, 0.3112

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9351, 0.2697, 0.2815 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(128, 145, 175)` looks like.

```
.text, #text, p{  
    color:rgb(128, 145, 175)  
}
```

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(128, 145, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 145, 175) }
```

Border

The CSS property to change the border of an element to Yxy 27.9351, 0.2697, 0.2815 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(128, 145, 175) }
```

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

```
.border{ border-color:rgb(128, 145, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 145, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 145, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 145, 175);  
box-shadow:4px 4px 4px 4px rgb(128, 145,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9351, 0.2697, 0.2815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 145, 175) }
```

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

```
.background{ background-color: rgb(128,  
145, 175) }
```

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