

Converting Colors

$Y_{xy}(27.4597, 0.2795, 0.3099)$

Have a look what the booklet for
Yxy(27.4597, 0.2795, 0.3099)
contains.

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Color

Yxy(27.5470, 0.2794, 0.3106)

Conversions

Conversions Part 1

Format	Color
Hex	7B939E
RGB	123, 147, 158
RGB Percent	48%, 58%, 62%
CMY	0.5174, 0.4236, 0.3804
CMYK	0.22, 0.07, 0.00, 0.38
HSL	199°, 15%, 55%
HSV	199°, 22%, 62%
XYZ	24.7799, 27.5470, 36.3627
YIQ	141.0780, -17.8350, -1.6670

Conversions

Conversions Part 2

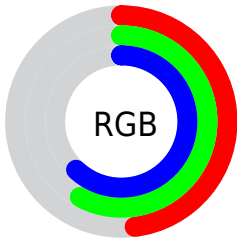
Format	Color
R_YB	123, 137, 158
Decimal	8098718
CIE Lab	59.48, -5.92, -8.63
CIE LCh	59, 10.460, 235.553
Yxy	27.5470, 0.2794, 0.3106
Android (android.graphics.Color)	4286288798 (0xFF7B939E)
YUV	141.0780, 8.3425, -15.8544
Hunter-Lab	52.4852, -7.5739, -4.3376

Details

The Yxy color $27.5470, 0.2794, 0.3106$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $25.7725, 0.3527, 0.3467$, and the grayscale version is $26.6444, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.8075, 0.2860, 0.3141$, and $10.8437, 0.2668, 0.3018$ is the 20% darker color. If you saturate the color by 10%, you get $24.9589, 0.2646, 0.3010$, and if you desaturate by 10%, it is $30.3926, 0.2945, 0.3194$.

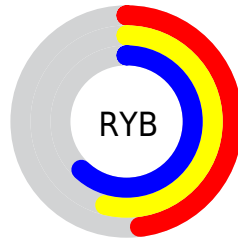
Distribution



Red (48%)

Green (58%)

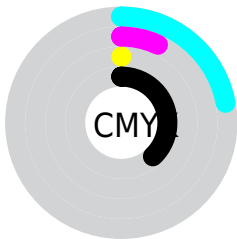
Blue (62%)



Red (48%)

Yellow (54%)

Blue (62%)

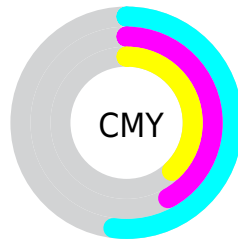


Cyan (22%)

Magenta (7%)

Yellow (0%)

Black (38%)



Cyan (52%)

Magenta (42%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.5470, 0.2794, 0.3106 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 27.5470, 0.2794, 0.3106 by changing the saturation by 10% instead.

■ 27.5470, 0.2794,
0.3106

■ 27.5470, 0.2794,
0.3106

■ 290.2959, 0.2973,
0.3208

■ 17.9845, 0.2744,
0.3077

■ 55.7604, 0.2863,
0.3145

■ 10.9388, 0.2678,
0.3037

■ 75.1800, 0.2887,
0.3159

■ 6.0257, 0.2583,
0.2980

■ 98.6542, 0.2908,
0.3171

■ 2.8607, 0.2439,
0.2889

■ 126.5672, 0.2925,
0.3181

■ 1.0595, 0.2194,
0.2725

■ 159.3035, 0.2940,
0.3189

■ 0.0000, 0.0000,
0.0000

197.2474, 0.2953,

0.3196

240.7834, 0.2964,
0.3202

■ 27.5470, 0.2794,
0.3106

■ 27.5470, 0.2794,
0.3106

■ 24.9589, 0.2646,
0.3010

■ 30.3926, 0.2945,
0.3194

■ 22.6150, 0.2504,
0.2907

■ 33.5015, 0.3095,
0.3274

■ 20.5059, 0.2372,
0.2798

■ 36.8836, 0.3244,
0.3346

■ 18.6200, 0.2252,
0.2684

■ 40.5471, 0.3389,
0.3410

■ 16.9446, 0.2149,
0.2567

■ 44.4999, 0.3528,
0.3468

■ 15.4652, 0.2064,
0.2449

■ 48.7494, 0.3662,
0.3518

■ 14.1649, 0.1998,
0.2332

■ 53.3030, 0.3788,
0.3562

■ 13.2350, 0.1956,
0.2240

■ 58.1675, 0.3908,
0.3600

■ 61.3509, 0.3935,
0.3646

Harmonies

Analogous

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



27.5470, 0.2829, 0.3251



27.5470, 0.2794, 0.3106



27.5470, 0.2845, 0.3016

Triad

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



27.5470, 0.2794, 0.3106



27.5470, 0.3313, 0.3170



27.5470, 0.3278, 0.3597

Complementary

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



27.5470, 0.2794, 0.3106



25.7725, 0.3527, 0.3467

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.



27.5470, 0.3414, 0.3565



27.5470, 0.2794, 0.3106



27.5470, 0.3435, 0.3317

Square

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



27.5470, 0.2794, 0.3106



27.5470, 0.3142, 0.3056



27.5470, 0.3472, 0.3461



27.5470, 0.3105, 0.3541

Rectangle

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



27.5470, 0.2794, 0.3106



27.5470, 0.2922, 0.2997



27.5470, 0.3472, 0.3461



27.5470, 0.3330, 0.3596

Sweetspot

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



27.5481, 0.2794, 0.3106



57.9386, 0.3020, 0.3235



30.3805, 0.3009, 0.3705



12.9933, 0.3012, 0.3231



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



27.5481, 0.2794, 0.3106



47.4228, 0.2714, 0.3055



22.6614, 0.2773, 0.2813



7.1564, 0.2988, 0.3218



10.6712, 0.1958, 0.2249



0.2629, 0.2087, 0.2715

Inverse Universe

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



23.5559, 0.3276, 0.2917



38.9363, 0.3321, 0.2822



30.8408, 0.3473, 0.3725



6.7189, 0.3183, 0.3138



6.6995, 0.4180, 0.2076



0.1271, 0.3714, 0.1820

Previews

White Background



This preview shows how the Yxy color 27.5470, 0.2794, 0.3106 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 27.5470, 0.2794, 0.3106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

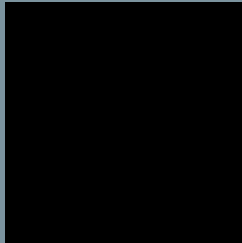
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

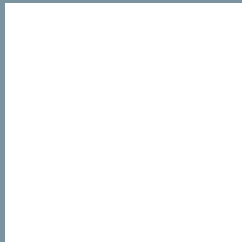
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.5470, 0.2794, 0.3106

Background



This preview shows how black text looks on a background with the Yxy color 27.5470, 0.2794, 0.3106.



This preview shows how white text looks on a background with the Yxy color 27.5470, 0.2794, 0.3106.

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

27.5470, 0.2794, 0.3106

Protanopia

27.4633, 0.3001, 0.3082

Deuteranopia

27.3929, 0.3026, 0.2963



Tritanopia

27.5816, 0.2785, 0.3090

Trichromacy



Original Color

27.5470, 0.2794, 0.3106

Protanomaly

27.4977, 0.2922, 0.3095

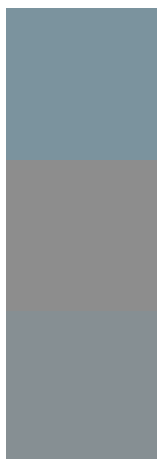
Deuteranomaly

27.4247, 0.2944, 0.3018

Tritanomaly

27.5816, 0.2785, 0.3090

Monochromacy



Original Color

27.5470, 0.2794, 0.3106

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.8198, 0.2995, 0.3223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5470, 0.2794, 0.3106 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(123, 147, 158)` looks like.

```
.text, #text, p{  
    color:rgb(123, 147, 158)  
}
```

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(123, 147, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 147, 158) }
```

Border

The CSS property to change the border of an element to Yxy 27.5470, 0.2794, 0.3106 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(123, 147, 158) }
```

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

```
.border{ border-color:rgb(123, 147, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 147, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 147, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 147, 158);  
box-shadow:4px 4px 4px 4px rgb(123, 147,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5470, 0.2794, 0.3106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 147, 158) }
```

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

```
.background{ background-color: rgb(123,  
147, 158) }
```

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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