

Converting Colors

$Y_{xy}(32.1024, 0.2771, 0.3122)$

Have a look what the booklet for
Yxy(32.1024, 0.2771, 0.3122)
contains.

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Color

Yxy(31.9854, 0.2771, 0.3116)

Conversions

Conversions Part 1

Format	Color
Hex	819EA9
RGB	129, 158, 169
RGB Percent	51%, 62%, 66%
CMY	0.4941, 0.3804, 0.3372
CMYK	0.24, 0.07, 0.00, 0.34
HSL	197°, 19%, 58%
HSV	197°, 24%, 66%
XYZ	28.4440, 31.9854, 42.2195
YIQ	150.5830, -20.8150, -2.7270

Conversions

Conversions Part 2

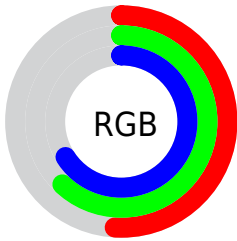
Format	Color
R _Y B	129, 146, 169
Decimal	8494761
CIE Lab	63.33, -7.50, -9.06
CIE LCh	63, 11.765, 230.390
Yxy	31.9854, 0.2771, 0.3116
Android (android.graphics.Color)	4286684841 (0xFF819EA9)
YUV	150.5830, 9.0796, -18.9283
Hunter-Lab	56.5556, -9.1978, -4.6718

Details

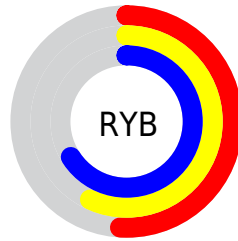
The Yxy color **31.9854, 0.2771, 0.3116** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.7879, 0.3568, 0.3457**, and the grayscale version is **30.7291, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.0376, 0.2846, 0.3160**, and **13.4620, 0.2660, 0.3062** is the 20% darker color. If you saturate the color by 10%, you get **29.2123, 0.2626, 0.3031**, and if you desaturate by 10%, it is **35.0403, 0.2921, 0.3194**.

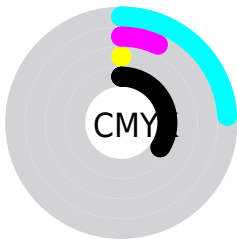
Distribution



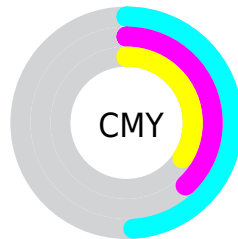
- Red (51%)
- Green (62%)
- Blue (66%)



- Red (51%)
- Yellow (57%)
- Blue (66%)



- Cyan (24%)
- Magenta (7%)
- Yellow (0%)
- Black (34%)



- Cyan (49%)
- Magenta (38%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.9854, 0.2771, 0.3116 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 31.9854, 0.2771, 0.3116 by changing the saturation by 10% instead.

■ 31.9854, 0.2771,
0.3116

■ 31.9854, 0.2771,
0.3116

■ 311.0527, 0.2958,
0.3210

■ 21.3503, 0.2721,
0.3090

■ 62.7882, 0.2841,
0.3152

■ 13.3803, 0.2655,
0.3054

■ 83.7247, 0.2867,
0.3165

■ 7.6910, 0.2564,
0.3004

■ 108.8639, 0.2888,
0.3176

■ 3.8978, 0.2429,
0.2927

■ 138.5901, 0.2907,
0.3185

■ 1.6166, 0.2212,
0.2796

■ 173.2876, 0.2922,
0.3193

■ 0.3687, 0.1064,
0.2344

■ 213.3410, 0.2936,

■ 0.0000, 0.0000,

0.3199

0.0000

259.1346, 0.2948,
0.3205

■ 31.9854, 0.2771,
0.3116

■ 31.9854, 0.2771,
0.3116

■ 29.2123, 0.2626,
0.3031

■ 35.0403, 0.2921,
0.3194

■ 26.7055, 0.2489,
0.2941

■ 38.3836, 0.3072,
0.3266

■ 24.4542, 0.2363,
0.2845

■ 42.0268, 0.3222,
0.3330

■ 22.4447, 0.2251,
0.2745

■ 45.9793, 0.3370,
0.3388

■ 20.6620, 0.2156,
0.2644

■ 50.2501, 0.3513,
0.3439

■ 19.0891, 0.2080,
0.2541

■ 54.8479, 0.3651,
0.3484

■ 17.7055, 0.2023,
0.2440

■ 59.7810, 0.3783,
0.3524

■ 16.8982, 0.1993,
0.2375

■ 63.2650, 0.3831,
0.3566

■ 65.3874, 0.3815,
0.3614

Harmonies

Analogous

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



31.9854, 0.2823, 0.3277



31.9854, 0.2771, 0.3116



31.9854, 0.2810, 0.3008

Triad

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



31.9854, 0.2771, 0.3116



31.9854, 0.3296, 0.3138



31.9854, 0.3318, 0.3619

Complementary

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



31.9854, 0.2771, 0.3116



28.7879, 0.3568, 0.3457

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.



31.9854, 0.3451, 0.3569



31.9854, 0.2771, 0.3116



31.9854, 0.3440, 0.3290

Square

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



31.9854, 0.2771, 0.3116



31.9854, 0.3110, 0.3025



31.9854, 0.3497, 0.3447



31.9854, 0.3136, 0.3576

Rectangle

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



31.9854, 0.2771, 0.3116



31.9854, 0.2884, 0.2978



31.9854, 0.3497, 0.3447



31.9854, 0.3370, 0.3613

Sweetspot

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



31.9867, 0.2771, 0.3116



66.5978, 0.3019, 0.3242



34.9351, 0.3011, 0.3763



14.4420, 0.3011, 0.3238



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.



31.9867, 0.2771, 0.3116



54.8114, 0.2700, 0.3076



25.8100, 0.2745, 0.2795



8.1774, 0.2987, 0.3226



12.6839, 0.1996, 0.2386



0.3874, 0.2089, 0.2719

Inverse Universe

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



26.6094, 0.3272, 0.2865



43.8075, 0.3308, 0.2775



35.0546, 0.3505, 0.3741



7.6308, 0.3178, 0.3128



7.3515, 0.4037, 0.1998



0.1868, 0.3710, 0.1817

Previews

White Background



This preview shows how the Yxy color 31.9854, 0.2771, 0.3116 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 31.9854, 0.2771, 0.3116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

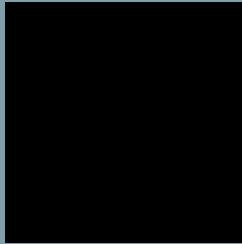
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

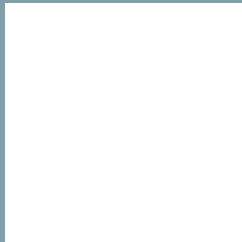
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.9854, 0.2771, 0.3116

Background



This preview shows how black text looks on a background with the Yxy color 31.9854, 0.2771, 0.3116.



This preview shows how white text looks on a background with the Yxy color 31.9854, 0.2771, 0.3116.

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

31.9854, 0.2771, 0.3116

Protanopia

31.8485, 0.3009, 0.3094

Deuteranopia

31.8061, 0.3023, 0.2968



Tritanopia

32.0231, 0.2763, 0.3101

Trichromacy



Original Color

31.9854, 0.2771, 0.3116

Protanomaly

31.7937, 0.2925, 0.3106

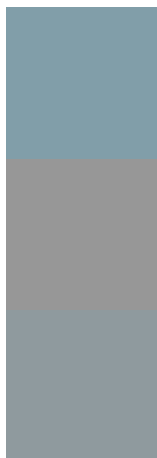
Deuteranomaly

31.6547, 0.2927, 0.3018

Tritanomaly

32.0231, 0.2763, 0.3101

Monochromacy



Original Color

31.9854, 0.2771, 0.3116

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.4195, 0.2984, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9854, 0.2771, 0.3116 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(129, 158, 169)` looks like.

```
.text, #text, p{  
    color:rgb(129, 158, 169)  
}
```

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(129, 158, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 158, 169) }
```

Border

The CSS property to change the border of an element to Yxy 31.9854, 0.2771, 0.3116 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(129, 158, 169) }
```

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

```
.border{ border-color:rgb(129, 158, 169) }
```

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

Here you see how a box with a 4 pixel rgb(129, 158, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 158, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 158, 169);  
box-shadow:4px 4px 4px 4px rgb(129, 158,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9854, 0.2771, 0.3116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 158, 169) }
```

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

```
.background{ background-color: rgb(129,  
158, 169) }
```

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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