

Converting Colors

$Y_{xy}(31.1469, 0.2817, 0.3205)$

Have a look what the booklet for
Yxy(31.1469, 0.2817, 0.3205)
contains.

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Color

Yxy(31.3118, 0.2816, 0.3209)

Conversions

Conversions Part 1

Format	Color
Hex	809DA2
RGB	128, 157, 162
RGB Percent	50%, 62%, 64%
CMY	0.4982, 0.3843, 0.3646
CMYK	0.21, 0.03, 0.00, 0.36
HSL	189°, 15%, 57%
HSV	189°, 21%, 64%
XYZ	27.4771, 31.3118, 38.7860
YIQ	148.8990, -18.8890, -4.5930

Conversions

Conversions Part 2

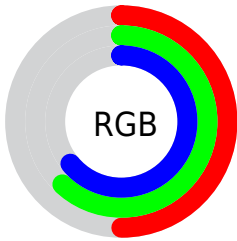
Format	Color
RYB	128, 144, 162
Decimal	8428962
CIELab	62.77, -8.92, -5.97
CIElCh	63, 10.728, 213.782
Yxy	31.3118, 0.2816, 0.3209
Android (android.graphics.Color)	4286619042 (0xFF809DA2)
YUV	148.8990, 6.4588, -18.3284
Hunter-Lab	55.9569, -10.2740, -1.9265

Details

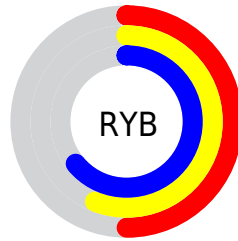
The Yxy color **31.3118, 0.2816, 0.3209** is a light color, and the websafe version is hex **669999**. A complement of this color would be **26.0065, 0.3522, 0.3369**, and the grayscale version is **29.9865, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9205, 0.2875, 0.3229**, and **13.0536, 0.2720, 0.3196** is the 20% darker color. If you saturate the color by 10%, you get **29.3577, 0.2678, 0.3166**, and if you desaturate by 10%, it is **33.4848, 0.2962, 0.3249**.

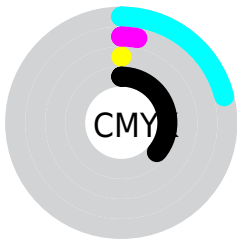
Distribution



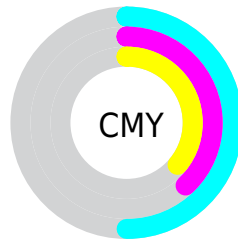
- Red (50%)
- Green (62%)
- Blue (64%)



- Red (50%)
- Yellow (56%)
- Blue (64%)



- Cyan (21%)
- Magenta (3%)
- Yellow (0%)
- Black (36%)



- Cyan (50%)
- Magenta (38%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.3118, 0.2816, 0.3209 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 31.3118, 0.2816, 0.3209 by changing the saturation by 10% instead.

■ 31.3118, 0.2816,
0.3209

■ 31.3118, 0.2816,
0.3209

■ 307.9722, 0.2981,
0.3254

■ 20.8364, 0.2772,
0.3196

■ 61.7306, 0.2878,
0.3227

■ 13.0045, 0.2713,
0.3178

■ 82.4429, 0.2901,
0.3233

■ 7.4316, 0.2631,
0.3153

■ 107.3361, 0.2919,
0.3238

■ 3.7335, 0.2509,
0.3112

■ 136.7949, 0.2935,
0.3242

■ 1.5256, 0.2309,
0.3039

■ 171.2034, 0.2949,
0.3246

■ 0.3067, 0.0652,
0.2710

■ 210.9463, 0.2961,

■ 0.0000, 0.0000,

0.3249

0.0000

256.4077, 0.2971,
0.3252

■ 31.3118, 0.2816,
0.3209

■ 31.3118, 0.2816,
0.3209

■ 29.3577, 0.2678,
0.3166

■ 33.4848, 0.2962,
0.3249

■ 27.6090, 0.2550,
0.3119

■ 35.8817, 0.3112,
0.3286

■ 26.0567, 0.2435,
0.3071

■ 38.5124, 0.3264,
0.3320

■ 24.6894, 0.2336,
0.3021

■ 41.3847, 0.3415,
0.3350

■ 23.4945, 0.2254,
0.2970

■ 44.5062, 0.3565,
0.3377

■ 22.4578, 0.2191,
0.2918

■ 47.8843, 0.3710,
0.3401

■ 21.5624, 0.2146,
0.2867

■ 51.5257, 0.3851,
0.3421

■ 20.8438, 0.2117,
0.2822

■ 54.9457, 0.3964,
0.3440

■ 55.8885, 0.3954,
0.3465

Harmonies

Analogous

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



31.3118, 0.2908, 0.3368



31.3118, 0.2816, 0.3209



31.3118, 0.2805, 0.3079

Triad

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



31.3118, 0.2816, 0.3209



31.3118, 0.3190, 0.3086



31.3118, 0.3379, 0.3577

Complementary

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



31.3118, 0.2816, 0.3209



26.0065, 0.3522, 0.3369

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.



31.3118, 0.3459, 0.3491



31.3118, 0.2816, 0.3209



31.3118, 0.3349, 0.3210

Square

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



31.3118, 0.2816, 0.3209



31.3118, 0.3017, 0.3013



31.3118, 0.3449, 0.3357



31.3118, 0.3231, 0.3585

Rectangle

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



31.3118, 0.2816, 0.3209



31.3118, 0.2845, 0.3024



31.3118, 0.3449, 0.3357



31.3118, 0.3415, 0.3556

Sweetspot

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



31.3131, 0.2816, 0.3209



62.8574, 0.3035, 0.3268



32.1128, 0.3062, 0.3779



14.0580, 0.3026, 0.3266



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



31.3131, 0.2816, 0.3209



55.2046, 0.2753, 0.3190



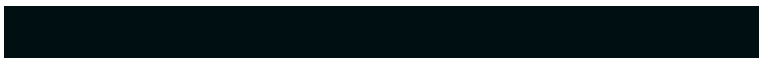
26.0825, 0.2798, 0.2935



7.8330, 0.2988, 0.3256



16.4660, 0.2118, 0.2826



0.3912, 0.2170, 0.3010

Inverse Universe

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



25.5457, 0.3205, 0.2852



43.0046, 0.3224, 0.2757



30.9037, 0.3472, 0.3621



7.1842, 0.3159, 0.3100



7.5064, 0.3611, 0.1763



0.1623, 0.3445, 0.1672

Previews

White Background



This preview shows how the Yxy color 31.3118, 0.2816, 0.3209 looks on a white background.

Color Contrast Check

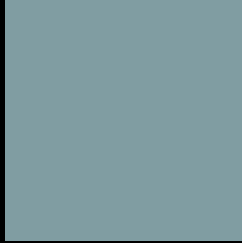
Large Text (above 18pt) WCAG AA × Fail

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 31.3118, 0.2816, 0.3209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

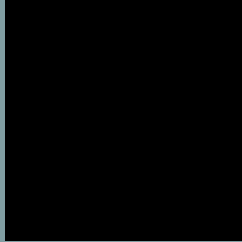
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

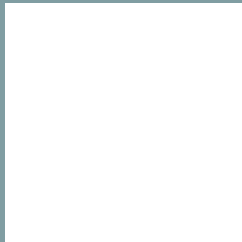
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.3118, 0.2816, 0.3209

Background



This preview shows how black text looks on a background with the Yxy color 31.3118, 0.2816, 0.3209.

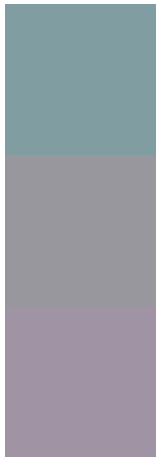


This preview shows how white text looks on a background with the Yxy color 31.3118, 0.2816, 0.3209.

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

31.3118, 0.2816, 0.3209

Protanopia

31.2772, 0.3072, 0.3183

Deuteranopia

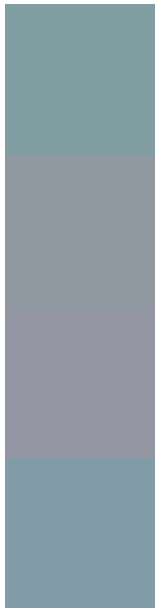
31.0214, 0.3098, 0.3038



Tritanopia

31.2712, 0.2776, 0.3100

Trichromacy



Original Color

31.3118, 0.2816, 0.3209

Protanomaly

31.1253, 0.2976, 0.3196

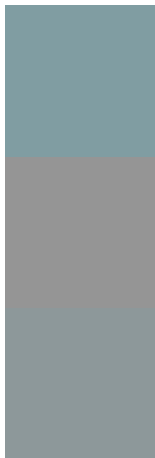
Deuteranomaly

31.0735, 0.2988, 0.3106

Tritanomaly

31.1972, 0.2792, 0.3131

Monochromacy



Original Color

31.3118, 0.2816, 0.3209

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.4523, 0.3001, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3118, 0.2816, 0.3209 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, 157, 162)` looks like.

```
.text, #text, p{  
    color:rgb(128, 157, 162)  
}
```

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, 157, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 157, 162) }
```

Border

The CSS property to change the border of an element to Yxy 31.3118, 0.2816, 0.3209 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, 157, 162) }
```

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

```
.border{ border-color:rgb(128, 157, 162) }
```

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

Here you see how a box with a 4 pixel rgb(128, 157, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 157, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 157, 162);  
box-shadow:4px 4px 4px 4px rgb(128, 157,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3118, 0.2816, 0.3209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 157, 162) }
```

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

```
.background{ background-color: rgb(128,  
157, 162) }
```

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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