

Converting Colors

$Y_{xy}(31.1398, 0.2656, 0.2881)$

Have a look what the booklet for
Yxy(31.1398, 0.2656, 0.2881)
contains.

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Color

Yxy(31.2909, 0.2660, 0.2888)

Conversions

Conversions Part 1

Format	Color
Hex	7F9BB5
RGB	127, 155, 181
RGB Percent	50%, 61%, 71%
CMY	0.5017, 0.3922, 0.2902
CMYK	0.30, 0.14, 0.00, 0.29
HSL	209°, 27%, 60%
HSV	209°, 30%, 71%
XYZ	28.8206, 31.2909, 48.2365
YIQ	149.5920, -25.0340, 2.1500

Conversions

Conversions Part 2

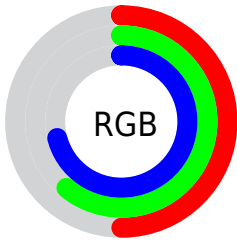
Format	Color
RYB	127, 145, 181
Decimal	8362933
CIELab	62.75, -3.54, -16.68
CIElCh	63, 17.056, 258.025
Yxy	31.2909, 0.2660, 0.2888
Android (android.graphics.Color)	4286553013 (0xFF7F9BB5)
YUV	149.5920, 15.4841, -19.8132
Hunter-Lab	55.9383, -5.9250, -11.9700

Details

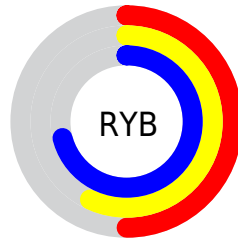
The Yxy color **31.2909, 0.2660, 0.2888** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **34.1634, 0.3674, 0.3660**, and the grayscale version is **30.2637, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5391, 0.2752, 0.2963**, and **12.9956, 0.2509, 0.2757** is the 20% darker color. If you saturate the color by 10%, you get **27.2234, 0.2500, 0.2727**, and if you desaturate by 10%, it is **35.8206, 0.2820, 0.3036**.

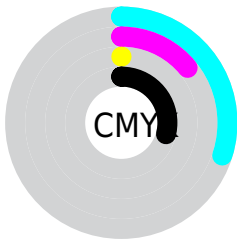
Distribution



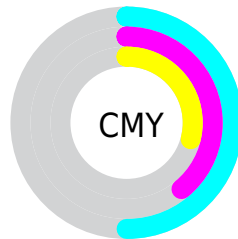
- Red (50%)
- Green (61%)
- Blue (71%)



- Red (50%)
- Yellow (57%)
- Blue (71%)



- Cyan (30%)
- Magenta (14%)
- Yellow (0%)
- Black (29%)



- Cyan (50%)
- Magenta (39%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.2909, 0.2660, 0.2888 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 31.2909, 0.2660, 0.2888 by changing the saturation by 10% instead.

■ 31.2909, 0.2660,
0.2888

■ 31.2909, 0.2660,
0.2888

■ 307.8763, 0.2906,
0.3102

■ 20.8205, 0.2595,
0.2830

■ 61.6978, 0.2752,
0.2969

■ 12.9928, 0.2509,
0.2754

■ 82.4030, 0.2786,
0.2998

■ 7.4236, 0.2391,
0.2647

■ 107.2886, 0.2814,
0.3023

■ 3.7284, 0.2219,
0.2490

■ 136.7390, 0.2838,
0.3044

■ 1.5228, 0.1949,
0.2237

■ 171.1386, 0.2858,
0.3061

■ 0.3047, 0.0963,
0.1444

■ 210.8717, 0.2876,

■ 0.0000, 0.0000,

0.3077

0.0000

256.3228, 0.2892,
0.3090

■ 31.2909, 0.2660,
0.2888

■ 31.2909, 0.2660,
0.2888

■ 27.2234, 0.2500,
0.2727

■ 35.8206, 0.2820,
0.3036

■ 23.5967, 0.2345,
0.2554

■ 40.8253, 0.2978,
0.3171

■ 20.3926, 0.2198,
0.2373

■ 46.3221, 0.3130,
0.3292

■ 17.5904, 0.2066,
0.2187

■ 52.3259, 0.3276,
0.3400

■ 15.1667, 0.1953,
0.2000

■ 58.8508, 0.3413,
0.3496

■ 13.0946, 0.1862,
0.1818

■ 65.9105, 0.3542,
0.3580

■ 11.3250, 0.1790,
0.1643

■ 73.5179, 0.3662,
0.3653

■ 11.2918, 0.1789,
0.1640

■ 78.3464, 0.3647,
0.3738

■ 83.1817, 0.3624,
0.3821

Harmonies

Analogous

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



31.2909, 0.2614, 0.3048



31.2909, 0.2660, 0.2888



31.2909, 0.2826, 0.2839

Triad

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



31.2909, 0.2660, 0.2888



31.2909, 0.3573, 0.3268



31.2909, 0.3158, 0.3725

Complementary

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



31.2909, 0.2660, 0.2888



34.1634, 0.3674, 0.3660

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.



31.2909, 0.3422, 0.3773



31.2909, 0.2660, 0.2888



31.2909, 0.3669, 0.3495

Square

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



31.2909, 0.2660, 0.2888



31.2909, 0.3353, 0.3055



31.2909, 0.3611, 0.3683



31.2909, 0.2894, 0.3542

Rectangle

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



31.2909, 0.2660, 0.2888



31.2909, 0.2987, 0.2868



31.2909, 0.3611, 0.3683



31.2909, 0.3250, 0.3757

Sweetspot

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



31.2921, 0.2660, 0.2888



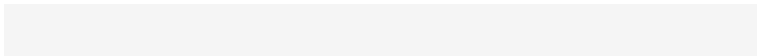
73.7306, 0.2988, 0.3180



39.8392, 0.2903, 0.3735



15.6442, 0.2966, 0.3161



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



31.2921, 0.2660, 0.2888



51.0004, 0.2551, 0.2780



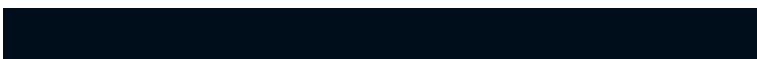
23.5160, 0.2614, 0.2465



8.9337, 0.2985, 0.3177



7.9239, 0.1795, 0.1661



0.3654, 0.1933, 0.2157

Inverse Universe

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



27.3843, 0.3445, 0.2897



43.3422, 0.3544, 0.2804



43.6791, 0.3576, 0.4000



8.5763, 0.3209, 0.3173



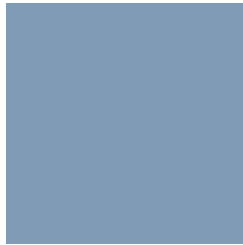
7.3400, 0.4854, 0.2448



0.2427, 0.4279, 0.2131

Previews

White Background



This preview shows how the Yxy color 31.2909, 0.2660, 0.2888 looks on a white background.

Color Contrast Check

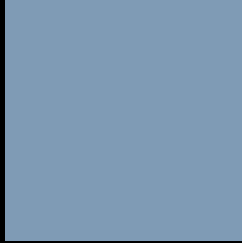
Large Text (above 18pt) WCAG AA × Fail

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 31.2909, 0.2660, 0.2888 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

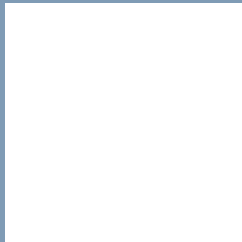
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.2909, 0.2660, 0.2888

Background



This preview shows how black text looks on a background with the Yxy color 31.2909, 0.2660, 0.2888.



This preview shows how white text looks on a background with the Yxy color 31.2909, 0.2660, 0.2888.

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

31.2909, 0.2660, 0.2888

Protanopia

31.1380, 0.2840, 0.2871

Deuteranopia

31.1365, 0.2851, 0.2792



Tritanopia

31.3385, 0.2736, 0.3099

Trichromacy



Original Color

31.2909, 0.2660, 0.2888

Protanomaly

31.2001, 0.2771, 0.2881

Deuteranomaly

31.2614, 0.2773, 0.2827

Tritanomaly

31.2297, 0.2713, 0.3022

Monochromacy



Original Color

31.2909, 0.2660, 0.2888

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.7805, 0.2948, 0.3149

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2909, 0.2660, 0.2888 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(127, 155, 181)` looks like.

```
.text, #text, p{  
    color:rgb(127, 155, 181)  
}
```

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(127, 155, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 155, 181) }
```

Border

The CSS property to change the border of an element to Yxy 31.2909, 0.2660, 0.2888 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(127, 155, 181) }
```

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

```
.border{ border-color:rgb(127, 155, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 155, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 155, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 155, 181);  
box-shadow:4px 4px 4px 4px rgb(127, 155,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2909, 0.2660, 0.2888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 155, 181) }
```

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

```
.background{ background-color: rgb(127,  
155, 181) }
```

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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