

Converting Colors

$Y_{xy}(31.8403, 0.2685, 0.2964)$

Have a look what the booklet for
Yxy(31.8403, 0.2685, 0.2964)
contains.

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Color

Yxy(31.8403, 0.2685, 0.2964)

Conversions

Conversions Part 1

Format	Color
Hex	7F9DB2
RGB	127, 157, 178
RGB Percent	50%, 62%, 70%
CMY	0.5020, 0.3843, 0.3020
CMYK	0.29, 0.12, 0.00, 0.30
HSL	205°, 25%, 60%
HSV	205°, 29%, 70%
XYZ	28.8432, 31.8403, 46.7399
YIQ	150.4240, -24.6210, 0.1710

Conversions

Conversions Part 2

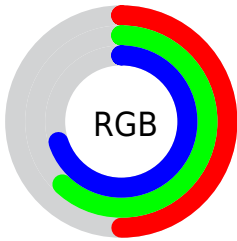
Format	Color
RYB	127, 146, 178
Decimal	8363442
CIELab	63.21, -5.43, -14.30
CIElCh	63, 15.296, 249.222
Yxy	31.8403, 0.2685, 0.2964
Android (android.graphics.Color)	4286553522 (0xFF7F9DB2)
YUV	150.4240, 13.5950, -20.5428
Hunter-Lab	56.4272, -7.5060, -9.6122

Details

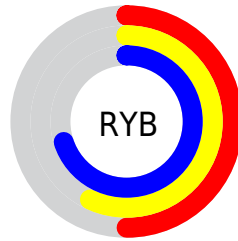
The Yxy color **31.8403, 0.2685, 0.2964** is a light color, and the websafe version is hex **669999**. A complement of this color would be **32.1681, 0.3662, 0.3594**, and the grayscale version is **30.6374, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.8512, 0.2772, 0.3033**, and **13.3252, 0.2545, 0.2865** is the 20% darker color. If you saturate the color by 10%, you get **28.1891, 0.2531, 0.2829**, and if you desaturate by 10%, it is **35.8840, 0.2841, 0.3088**.

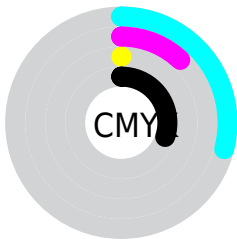
Distribution



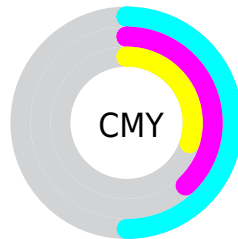
- Red (50%)
- Green (62%)
- Blue (70%)



- Red (50%)
- Yellow (57%)
- Blue (70%)



- Cyan (29%)
- Magenta (12%)
- Yellow (0%)
- Black (30%)



- Cyan (50%)
- Magenta (38%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.8403, 0.2685, 0.2964 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 31.8403, 0.2685, 0.2964 by changing the saturation by 10% instead.

■ 31.8403, 0.2685,
0.2964

■ 31.8403, 0.2685,
0.2964

■ 310.3911, 0.2917,
0.3138

■ 21.2395, 0.2624,
0.2917

■ 62.5606, 0.2772,
0.3030

■ 13.2992, 0.2543,
0.2853

■ 83.4490, 0.2804,
0.3054

■ 7.6349, 0.2431,
0.2765

■ 108.5354, 0.2830,
0.3074

■ 3.8622, 0.2269,
0.2633

■ 138.2042, 0.2853,
0.3091

■ 1.5968, 0.2013,
0.2417

■ 172.8398, 0.2872,
0.3105

■ 0.3554, 0.1021,
0.1766

■ 212.8265, 0.2889,

■ 0.0000, 0.0000,

0.3118

0.0000

258.5488, 0.2904,
0.3129

■ 31.8403, 0.2685,
0.2964

■ 31.8403, 0.2685,
0.2964

■ 28.1891, 0.2531,
0.2829

■ 35.8840, 0.2841,
0.3088

■ 24.9114, 0.2383,
0.2685

■ 40.3307, 0.2996,
0.3201

■ 21.9918, 0.2246,
0.2533

■ 45.1952, 0.3147,
0.3303

■ 19.4123, 0.2122,
0.2376

■ 50.4901, 0.3294,
0.3394

■ 17.1527, 0.2016,
0.2217

■ 56.2276, 0.3433,
0.3475

■ 15.1896, 0.1931,
0.2060

■ 62.4193, 0.3566,
0.3546

■ 13.4844, 0.1866,
0.1907

■ 69.0764, 0.3690,
0.3608

■ 13.2674, 0.1858,
0.1887

■ 73.3787, 0.3696,
0.3678

■ 77.2061, 0.3674,
0.3750

Harmonies

Analogous

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



31.8403, 0.2678, 0.3133



31.8403, 0.2685, 0.2964



31.8403, 0.2805, 0.2888

Triad

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



31.8403, 0.2685, 0.2964



31.8403, 0.3476, 0.3212



31.8403, 0.3228, 0.3702

Complementary

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



31.8403, 0.2685, 0.2964



32.1681, 0.3662, 0.3594

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.



31.8403, 0.3450, 0.3709



31.8403, 0.2685, 0.2964



31.8403, 0.3598, 0.3417

Square

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



31.8403, 0.2685, 0.2964



31.8403, 0.3259, 0.3031



31.8403, 0.3587, 0.3600



31.8403, 0.2985, 0.3571

Rectangle

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



31.8403, 0.2685, 0.2964



31.8403, 0.2936, 0.2895



31.8403, 0.3587, 0.3600



31.8403, 0.3308, 0.3719

Sweetspot

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



31.8416, 0.2685, 0.2964



72.7222, 0.2988, 0.3196



38.4675, 0.2937, 0.3770



15.8446, 0.2966, 0.3180



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.



31.8416, 0.2685, 0.2964



53.7339, 0.2593, 0.2885



24.2525, 0.2643, 0.2559



9.0335, 0.2986, 0.3194



9.6202, 0.1862, 0.1904



0.4142, 0.1981, 0.2333

Inverse Universe

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



27.0749, 0.3388, 0.2864



44.1476, 0.3459, 0.2772



40.8414, 0.3570, 0.3929



8.5864, 0.3198, 0.3157



7.5113, 0.4563, 0.2287



0.2476, 0.4092, 0.2028

Previews

White Background



This preview shows how the Yxy color 31.8403, 0.2685, 0.2964 looks on a white background.

Color Contrast Check

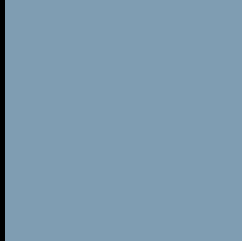
Large Text (above 18pt) WCAG AA × Fail

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 31.8403, 0.2685, 0.2964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

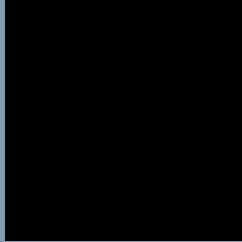
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

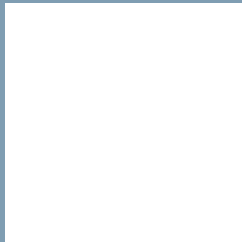
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.8403, 0.2685, 0.2964

Background



This preview shows how black text looks on a background with the Yxy color 31.8403, 0.2685, 0.2964.



This preview shows how white text looks on a background with the Yxy color 31.8403, 0.2685, 0.2964.

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

31.8403, 0.2685, 0.2964

Protanopia

31.5788, 0.2902, 0.2946

Deuteranopia

31.6602, 0.2896, 0.2838



Tritanopia

31.7540, 0.2723, 0.3084

Trichromacy



Original Color

31.8403, 0.2685, 0.2964

Protanomaly

31.5403, 0.2822, 0.2956

Deuteranomaly

31.6404, 0.2815, 0.2886

Tritanomaly

31.9453, 0.2708, 0.3039

Monochromacy



Original Color

31.8403, 0.2685, 0.2964

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.0713, 0.2957, 0.3180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8403, 0.2685, 0.2964 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, 157, 178)` looks like.

```
.text, #text, p{  
    color:rgb(127, 157, 178)  
}
```

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, 157, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 157, 178) }
```

Border

The CSS property to change the border of an element to Yxy 31.8403, 0.2685, 0.2964 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, 157, 178) }
```

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

```
.border{ border-color:rgb(127, 157, 178) }
```

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

Here you see how a box with a 4 pixel rgb(127, 157, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 157, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 157, 178);  
box-shadow:4px 4px 4px 4px rgb(127, 157,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8403, 0.2685, 0.2964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 157, 178) }
```

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

```
.background{ background-color: rgb(127,  
157, 178) }
```

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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