

Converting Colors

$Y_{xy}(31.8282, 0.2685, 0.2953)$

Have a look what the booklet for
Yxy(31.8282, 0.2685, 0.2953)
contains.

Yxy(31.9578, 0.2686, 0.2950)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.9578, 0.2686, 0.2950)

Conversions

Conversions Part 1

Format	Color
Hex	809DB3
RGB	128, 157, 179
RGB Percent	50%, 62%, 70%
CMY	0.4979, 0.3843, 0.2981
CMYK	0.28, 0.12, 0.00, 0.30
HSL	206°, 25%, 60%
HSV	206°, 28%, 70%
XYZ	29.0978, 31.9578, 47.2759
YIQ	150.8370, -24.3460, 0.6940

Conversions

Conversions Part 2

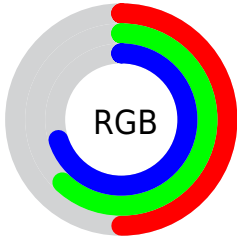
Format	Color
RYB	128, 146, 179
Decimal	8428979
CIELab	63.31, -4.86, -14.71
CIElCh	63, 15.490, 251.716
Yxy	31.9578, 0.2686, 0.2950
Android (android.graphics.Color)	4286619059 (0xFF809DB3)
YUV	150.8370, 13.8844, -20.0280
Hunter-Lab	56.5312, -7.0518, -10.0111

Details

The Yxy color **31.9578, 0.2686, 0.2950** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.9609, 0.3654, 0.3607**, and the grayscale version is **30.8241, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.0302, 0.2773, 0.3022**, and **13.3922, 0.2546, 0.2845** is the 20% darker color. If you saturate the color by 10%, you get **28.1594, 0.2530, 0.2808**, and if you desaturate by 10%, it is **36.1689, 0.2843, 0.3080**.

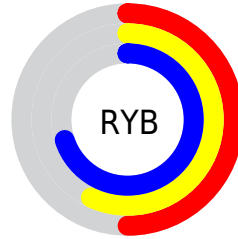
Distribution



Red (50%)

Green (62%)

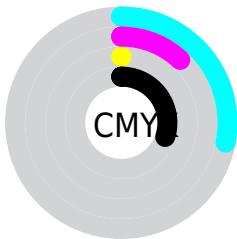
Blue (70%)



Red (50%)

Yellow (57%)

Blue (70%)

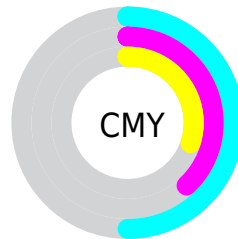


Cyan (28%)

Magenta (12%)

Yellow (0%)

Black (30%)



Cyan (50%)

Magenta (38%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.9578, 0.2686, 0.2950 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 31.9578, 0.2686, 0.2950 by changing the saturation by 10% instead.

■ 31.9578, 0.2686,
0.2950

■ 31.9578, 0.2686,
0.2950

■ 310.9270, 0.2917,
0.3131

■ 21.3293, 0.2625,
0.2901

■ 62.7449, 0.2773,
0.3019

■ 13.3649, 0.2544,
0.2835

■ 83.6723, 0.2804,
0.3044

■ 7.6803, 0.2433,
0.2744

■ 108.8014, 0.2831,
0.3064

■ 3.8911, 0.2272,
0.2608

■ 138.5167, 0.2853,
0.3082

■ 1.6128, 0.2017,
0.2388

■ 173.2025, 0.2873,
0.3097

■ 0.3662, 0.1092,
0.1743

■ 213.2432, 0.2890,

■ 0.0000, 0.0000,

0.3110

0.0000

259.0232, 0.2904,
0.3121

■ 31.9578, 0.2686,
0.2950

■ 31.9578, 0.2686,
0.2950

■ 28.1594, 0.2530,
0.2808

■ 36.1689, 0.2843,
0.3080

■ 24.7539, 0.2380,
0.2656

■ 40.8036, 0.2999,
0.3199

■ 21.7255, 0.2239,
0.2497

■ 45.8773, 0.3150,
0.3306

■ 19.0554, 0.2112,
0.2332

■ 51.4033, 0.3296,
0.3401

■ 16.7227, 0.2003,
0.2165

■ 57.3942, 0.3434,
0.3485

■ 14.7033, 0.1916,
0.2000

■ 63.8621, 0.3565,
0.3559

■ 12.9585, 0.1848,
0.1840

■ 70.8187, 0.3688,
0.3624

■ 12.7075, 0.1838,
0.1816

■ 75.0677, 0.3679,
0.3699

■ 79.1869, 0.3657,
0.3775

Harmonies

Analogous

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



31.9578, 0.2669, 0.3114



31.9578, 0.2686, 0.2950



31.9578, 0.2816, 0.2882

Triad

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



31.9578, 0.2686, 0.2950



31.9578, 0.3495, 0.3228



31.9578, 0.3209, 0.3700

Complementary

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



31.9578, 0.2686, 0.2950



32.9609, 0.3654, 0.3607

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.



31.9578, 0.3437, 0.3718



31.9578, 0.2686, 0.2950



31.9578, 0.3608, 0.3435

Square

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



31.9578, 0.2686, 0.2950



31.9578, 0.3281, 0.3042



31.9578, 0.3586, 0.3616



31.9578, 0.2965, 0.3559

Rectangle

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



31.9578, 0.2686, 0.2950



31.9578, 0.2952, 0.2894



31.9578, 0.3586, 0.3616



31.9578, 0.3290, 0.3721

Sweetspot

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



31.9591, 0.2686, 0.2950



72.4978, 0.2988, 0.3191



39.0054, 0.2931, 0.3753



15.7876, 0.2966, 0.3175



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.



31.9591, 0.2686, 0.2950



53.0058, 0.2591, 0.2865



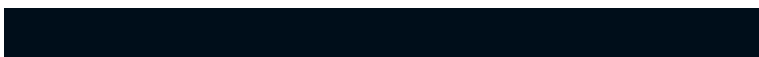
24.4235, 0.2645, 0.2550



9.0051, 0.2985, 0.3189



9.1123, 0.1843, 0.1834



0.3999, 0.1968, 0.2283

Inverse Universe

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



27.4629, 0.3398, 0.2880



44.0741, 0.3475, 0.2789



41.7011, 0.3564, 0.3936



8.5835, 0.3201, 0.3161



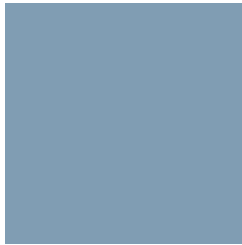
7.4600, 0.4645, 0.2332



0.2462, 0.4144, 0.2057

Previews

White Background



This preview shows how the Yxy color 31.9578, 0.2686, 0.2950 looks on a white background.

Color Contrast Check

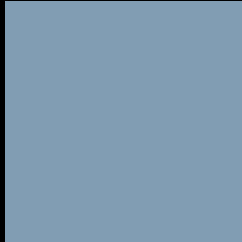
Large Text (above 18pt) WCAG AA × Fail

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 31.9578, 0.2686, 0.2950 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

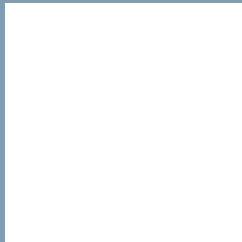
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.9578, 0.2686, 0.2950

Background



This preview shows how black text looks on a background with the Yxy color 31.9578, 0.2686, 0.2950.



This preview shows how white text looks on a background with the Yxy color 31.9578, 0.2686, 0.2950.

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

31.9578, 0.2686, 0.2950

Protanopia

31.9412, 0.2894, 0.2947

Deuteranopia

31.7011, 0.2888, 0.2824



Tritanopia

31.8296, 0.2731, 0.3084

Trichromacy



Original Color

31.9578, 0.2686, 0.2950

Protanomaly

31.9085, 0.2815, 0.2957

Deuteranomaly

31.7715, 0.2816, 0.2873

Tritanomaly

32.0217, 0.2716, 0.3039

Monochromacy



Original Color

31.9578, 0.2686, 0.2950

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.1953, 0.2958, 0.3165

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9578, 0.2686, 0.2950 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, 179)` looks like.

```
.text, #text, p{  
    color:rgb(128, 157, 179)  
}
```

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, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 157, 179) }
```

Border

The CSS property to change the border of an element to Yxy 31.9578, 0.2686, 0.2950 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, 179) }
```

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

```
.border{ border-color:rgb(128, 157, 179) }
```

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, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 157, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 157, 179);  
box-shadow:4px 4px 4px 4px rgb(128, 157,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9578, 0.2686, 0.2950 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, 179) }
```

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

```
.background{ background-color: rgb(128,  
157, 179) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor