

Converting Colors

$Yxy(31.8115, 0.2568, 0.2617)$

Have a look what the booklet for
Yxy(31.8115, 0.2568, 0.2617)
contains.

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Color

Yxy(31.8115, 0.2568, 0.2617)

Conversions

Conversions Part 1

Format	Color
Hex	8499C7
RGB	132, 153, 199
RGB Percent	52%, 60%, 78%
CMY	0.4823, 0.4000, 0.2196
CMYK	0.34, 0.23, 0.00, 0.22
HSL	221°, 37%, 65%
HSV	221°, 34%, 78%
XYZ	31.2159, 31.8115, 58.5298
YIQ	151.9650, -27.2820, 9.8540

Conversions

Conversions Part 2

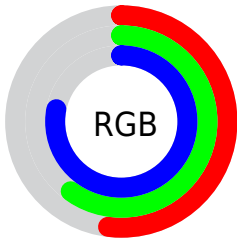
Format	Color
R _Y B	132, 148, 199
Decimal	8690119
CIE Lab	63.19, 3.65, -26.09
CIE LCh	63, 26.343, 277.961
Yxy	31.8115, 0.2568, 0.2617
Android (android.graphics.Color)	4286880199 (0xFF8499C7)
YUV	151.9650, 23.1883, -17.5093
Hunter-Lab	56.4017, 0.0890, -22.0459

Details

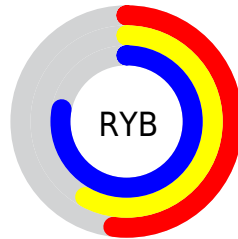
The Yxy color **31.8115, 0.2568, 0.2617** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **45.6506, 0.3710, 0.3881**, and the grayscale version is **31.2912, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.4104, 0.2684, 0.2753**, and **13.2525, 0.2391, 0.2406** is the 20% darker color. If you saturate the color by 10%, you get **26.1389, 0.2387, 0.2374**, and if you desaturate by 10%, it is **38.3047, 0.2745, 0.2842**.

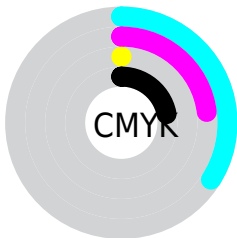
Distribution



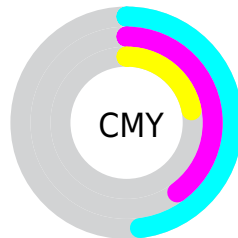
- Red (52%)
- Green (60%)
- Blue (78%)



- Red (52%)
- Yellow (58%)
- Blue (78%)



- Cyan (34%)
- Magenta (23%)
- Yellow (0%)
- Black (22%)



- Cyan (48%)
- Magenta (40%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.8115, 0.2568, 0.2617 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 31.8115, 0.2568, 0.2617 by changing the saturation by 10% instead.

■ 31.8115, 0.2568,
0.2617

■ 31.8115, 0.2568,
0.2617

■ 310.2597, 0.2861,
0.2965

■ 21.2176, 0.2491,
0.2527

■ 62.5155, 0.2677,
0.2746

■ 13.2831, 0.2391,
0.2411

■ 83.3943, 0.2717,
0.2793

■ 7.6238, 0.2256,
0.2255

■ 108.4702, 0.2751,
0.2833

■ 3.8552, 0.2063,
0.2035

■ 138.1275, 0.2779,
0.2868

■ 1.5929, 0.1771,
0.1710

■ 172.7508, 0.2804,
0.2897

■ 0.3528, 0.1180,
0.0981

■ 212.7243, 0.2825,

■ 0.0000, 0.0000,

0.2923

0.0000

258.4325, 0.2844,
0.2945

■ 31.8115, 0.2568,
0.2617

■ 31.8115, 0.2568,
0.2617

■ 26.1389, 0.2387,
0.2374

■ 38.3047, 0.2745,
0.2842

■ 21.2486, 0.2208,
0.2117

■ 45.6473, 0.2914,
0.3046

■ 17.1045, 0.2038,
0.1854

■ 53.8711, 0.3072,
0.3228

■ 13.6657, 0.1886,
0.1596

■ 63.0051, 0.3218,
0.3390

■ 10.8869, 0.1759,
0.1354

■ 73.0770, 0.3352,
0.3532

■ 8.7160, 0.1664,
0.1140

■ 84.1131, 0.3474,
0.3655

■ 7.6100, 0.1617,
0.1021

■ 92.9144, 0.3472,
0.3782

■ 96.9037, 0.3460,
0.3840

Harmonies

Analogous

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



31.8115, 0.2382, 0.2737



31.8115, 0.2568, 0.2617



31.8115, 0.2907, 0.2661

Triad

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



31.8115, 0.2568, 0.2617



31.8115, 0.3940, 0.3472



31.8115, 0.2893, 0.3803

Complementary

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



31.8115, 0.2568, 0.2617



45.6506, 0.3710, 0.3881

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.



31.8115, 0.3305, 0.4024



31.8115, 0.2568, 0.2617



31.8115, 0.3925, 0.3790

Square

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



31.8115, 0.2568, 0.2617



31.8115, 0.3717, 0.3135



31.8115, 0.3686, 0.4005



31.8115, 0.2558, 0.3416

Rectangle

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



31.8115, 0.2568, 0.2617



31.8115, 0.3186, 0.2772



31.8115, 0.3686, 0.4005



31.8115, 0.3027, 0.3901

Sweetspot

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



31.8127, 0.2568, 0.2617



84.8145, 0.2971, 0.3113



48.9602, 0.2783, 0.3590



17.7248, 0.2948, 0.3086



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



31.8127, 0.2568, 0.2617



48.6780, 0.2443, 0.2450



26.5817, 0.2635, 0.2326



10.8209, 0.2983, 0.3127



5.0326, 0.1624, 0.1045



0.3693, 0.1744, 0.1478

Inverse Universe

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



30.9456, 0.3659, 0.3015



47.5440, 0.3819, 0.2958



53.0443, 0.3523, 0.4152



10.6908, 0.3241, 0.3218



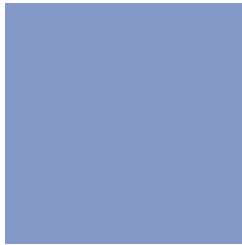
8.0480, 0.5691, 0.2909



0.3943, 0.5088, 0.2576

Previews

White Background



This preview shows how the Yxy color 31.8115, 0.2568, 0.2617 looks on a white background.

Color Contrast Check

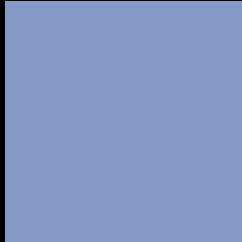
Large Text (above 18pt) WCAG AA × Fail

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 31.8115, 0.2568, 0.2617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

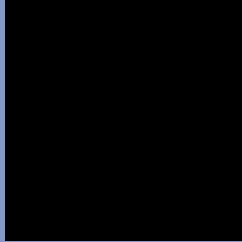
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

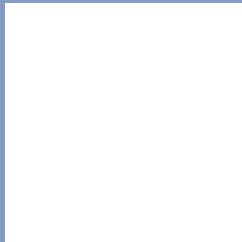
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.8115, 0.2568, 0.2617

Background



This preview shows how black text looks on a background with the Yxy color 31.8115, 0.2568, 0.2617.



This preview shows how white text looks on a background with the Yxy color 31.8115, 0.2568, 0.2617.

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

31.8115, 0.2568, 0.2617

Protanopia

31.7399, 0.2642, 0.2624

Deuteranopia

31.7336, 0.2635, 0.2574



Tritanopia

31.8296, 0.2731, 0.3084

Trichromacy



Original Color

31.8115, 0.2568, 0.2617

Protanomaly

31.8521, 0.2612, 0.2622

Deuteranomaly

31.7066, 0.2605, 0.2583

Tritanomaly

31.7023, 0.2669, 0.2905

Monochromacy



Original Color

31.8115, 0.2568, 0.2617

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.3408, 0.2908, 0.3031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8115, 0.2568, 0.2617 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(132, 153, 199)` looks like.

```
.text, #text, p{  
    color:rgb(132, 153, 199)  
}
```

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(132, 153, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 153, 199) }
```

Border

The CSS property to change the border of an element to Yxy 31.8115, 0.2568, 0.2617 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(132, 153, 199) }
```

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

```
.border{ border-color:rgb(132, 153, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 153, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 153, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 153, 199);  
box-shadow:4px 4px 4px 4px rgb(132, 153,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8115, 0.2568, 0.2617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 153, 199) }
```

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

```
.background{ background-color: rgb(132,  
153, 199) }
```

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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