

Converting Colors

$Y_{xy}(31.9801, 0.2312, 0.2267)$

Have a look what the booklet for
Yxy(31.9801, 0.2312, 0.2267)
contains.

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Color

Yxy(31.8694, 0.2312, 0.2263)

Conversions

Conversions Part 1

Format	Color
Hex	7798E2
RGB	119, 152, 226
RGB Percent	47%, 60%, 89%
CMY	0.5335, 0.4039, 0.1137
CMYK	0.47, 0.33, 0.00, 0.11
HSL	221°, 65%, 68%
HSV	221°, 47%, 89%
XYZ	32.5595, 31.8694, 76.3992
YIQ	150.5690, -43.4220, 16.0180

Conversions

Conversions Part 2

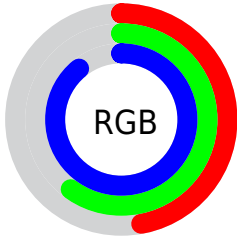
Format	Color
RYB	119, 144, 226
Decimal	7837922
CIELab	63.23, 8.32, -41.11
CIELCh	63, 41.943, 281.443
Yxy	31.8694, 0.2312, 0.2263
Android (android.graphics.Color)	4286028002 (0xFF7798E2)
YUV	150.5690, 37.1875, -27.6860
Hunter-Lab	56.4530, 4.1578, -40.7216

Details

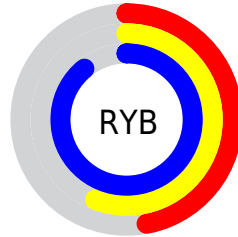
The Yxy color **31.8694, 0.2312, 0.2263** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **55.6215, 0.3990, 0.4129**, and the grayscale version is **30.6029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5927, 0.2615, 0.2731**, and **13.2338, 0.2075, 0.1976** is the 20% darker color. If you saturate the color by 10%, you get **25.7159, 0.2134, 0.1999**, and if you desaturate by 10%, it is **39.0733, 0.2495, 0.2516**.

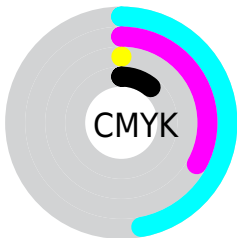
Distribution



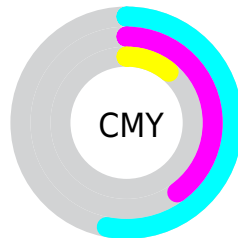
- Red (47%)
- Green (60%)
- Blue (89%)



- Red (47%)
- Yellow (56%)
- Blue (89%)



- Cyan (47%)
- Magenta (33%)
- Yellow (0%)
- Black (11%)



- Cyan (53%)
- Magenta (40%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.8694, 0.2312, 0.2263 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 31.8694, 0.2312, 0.2263 by changing the saturation by 10% instead.

■ 31.8694, 0.2312,
0.2263

■ 31.8694, 0.2312,
0.2263

310.5239, 0.2731,
0.2778

■ 21.2618, 0.2207,
0.2138

■ 62.6063, 0.2466,
0.2448

■ 13.3155, 0.2072,
0.1980

■ 83.5043, 0.2523,
0.2519

■ 7.6461, 0.1896,
0.1777

■ 108.6013, 0.2571,
0.2578

■ 3.8694, 0.1658,
0.1510

138.2816, 0.2613,
0.2629

■ 1.6008, 0.1328,
0.1154

172.9296, 0.2649,
0.2674

■ 0.3581, 0.0839,
0.0553

212.9297, 0.2680,

■ 0.0000, 0.0000,

0.2713

0.0000

258.6664, 0.2707,
0.2747

■ 31.8694, 0.2312,
0.2263

■ 31.8694, 0.2312,
0.2263

■ 25.7159, 0.2134,
0.1999

■ 39.0733, 0.2495,
0.2516

■ 20.5561, 0.1968,
0.1733

■ 47.3733, 0.2676,
0.2752

■ 16.3324, 0.1824,
0.1477

■ 56.8164, 0.2850,
0.2968

■ 12.9788, 0.1710,
0.1244

■ 67.4458, 0.3014,
0.3161

■ 10.4147, 0.1628,
0.1044

■ 79.3022, 0.3166,
0.3333

■ 9.8470, 0.1610,
0.0997

■ 92.4244, 0.3305,
0.3484

■ 98.2720, 0.3297,
0.3572

Harmonies

Analogous

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



31.8694, 0.2014, 0.2389



31.8694, 0.2312, 0.2263



31.8694, 0.2842, 0.2365

Triad

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



31.8694, 0.2312, 0.2263



31.8694, 0.4439, 0.3586



31.8694, 0.2670, 0.4073

Complementary

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



31.8694, 0.2312, 0.2263



55.6215, 0.3990, 0.4129

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.



31.8694, 0.3299, 0.4477



31.8694, 0.2312, 0.2263



31.8694, 0.4345, 0.4075

Square

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



31.8694, 0.2312, 0.2263



31.8694, 0.4128, 0.3088



31.8694, 0.3915, 0.4435



31.8694, 0.2195, 0.3393

Rectangle

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



31.8694, 0.2312, 0.2263



31.8694, 0.3285, 0.2542



31.8694, 0.3915, 0.4435



31.8694, 0.2870, 0.4253

Sweetspot

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



31.8705, 0.2312, 0.2263



79.1011, 0.2905, 0.3034



62.1315, 0.2670, 0.3742



16.3019, 0.2869, 0.2991



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.



31.8705, 0.2312, 0.2263



33.8011, 0.2134, 0.1999



24.1256, 0.2376, 0.1856



13.9303, 0.2981, 0.3123



5.8023, 0.1618, 0.1024



0.5577, 0.1704, 0.1332

Inverse Universe

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



31.6201, 0.4011, 0.2907



34.6875, 0.4314, 0.2842



68.9107, 0.3671, 0.4510



13.7699, 0.3244, 0.3218



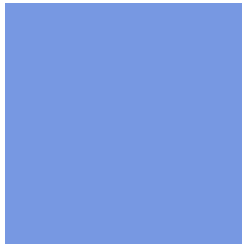
9.4938, 0.5722, 0.2926



0.6738, 0.5282, 0.2684

Previews

White Background



This preview shows how the Yxy color 31.8694, 0.2312, 0.2263 looks on a white background.

Color Contrast Check

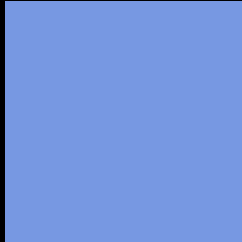
Large Text (above 18pt) WCAG AA × Fail

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 31.8694, 0.2312, 0.2263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

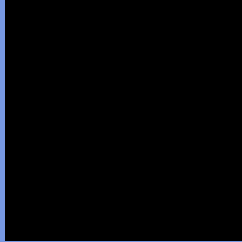
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.8694, 0.2312, 0.2263

Background



This preview shows how black text looks on a background with the Yxy color 31.8694, 0.2312, 0.2263.



This preview shows how white text looks on a background with the Yxy color 31.8694, 0.2312, 0.2263.

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

31.8694, 0.2312, 0.2263

Protanopia

31.7837, 0.2377, 0.2271

Deuteranopia

31.9405, 0.2319, 0.2265



Tritanopia

31.8789, 0.2546, 0.3078

Trichromacy



Original Color

31.8694, 0.2312, 0.2263

Protanomaly

31.9294, 0.2354, 0.2269

Deuteranomaly

31.9405, 0.2319, 0.2265

Tritanomaly

31.6000, 0.2447, 0.2735

Monochromacy



Original Color

31.8694, 0.2312, 0.2263

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.8365, 0.2778, 0.2879

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8694, 0.2312, 0.2263 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(119, 152, 226)` looks like.

```
.text, #text, p{  
    color:rgb(119, 152, 226)  
}
```

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(119, 152, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 152, 226) }
```

Border

The CSS property to change the border of an element to Yxy 31.8694, 0.2312, 0.2263 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(119, 152, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8694, 0.2312, 0.2263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 152, 226) }
```

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

```
.background{ background-color: rgb(119,  
152, 226) }
```

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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