

Converting Colors

$Y_{xy}(31.3362, 0.2399, 0.2449)$

Have a look what the booklet for
Yxy(31.3362, 0.2399, 0.2449)
contains.

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Color

Yxy(31.4076, 0.2399, 0.2449)

Conversions

Conversions Part 1

Format	Color
Hex	7799D3
RGB	119, 153, 211
RGB Percent	47%, 60%, 83%
CMY	0.5330, 0.4001, 0.1725
CMYK	0.44, 0.27, 0.00, 0.17
HSL	218°, 51%, 65%
HSV	218°, 44%, 83%
XYZ	30.7664, 31.4076, 66.0727
YIQ	149.4460, -38.8820, 10.8300

Conversions

Conversions Part 2

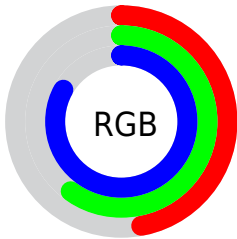
Format	Color
R _Y B	119, 144, 211
Decimal	7838163
CIE Lab	62.85, 3.44, -33.37
CIE LCh	63, 33.551, 275.877
Yxy	31.4076, 0.2399, 0.2449
Android (android.graphics.Color)	4286028243 (0xFF7799D3)
YUV	149.4460, 30.3461, -26.7011
Hunter-Lab	56.0425, -0.0809, -30.6717

Details

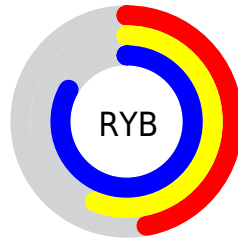
The Yxy color **31.4076, 0.2399, 0.2449** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **46.6738, 0.3937, 0.4000**, and the grayscale version is **30.1421, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.9596, 0.2611, 0.2742**, and **12.9930, 0.2176, 0.2197** is the 20% darker color. If you saturate the color by 10%, you get **25.9573, 0.2226, 0.2212**, and if you desaturate by 10%, it is **37.6785, 0.2575, 0.2673**.

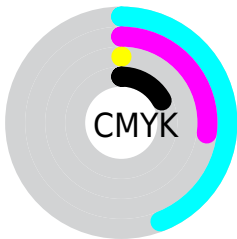
Distribution



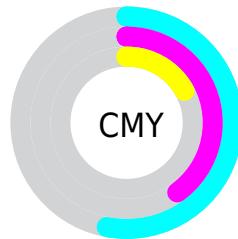
- Red (47%)
- Green (60%)
- Blue (83%)



- Red (47%)
- Yellow (56%)
- Blue (83%)



- Cyan (44%)
- Magenta (27%)
- Yellow (0%)
- Black (17%)



- Cyan (53%)
- Magenta (40%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.4076, 0.2399, 0.2449 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 31.4076, 0.2399, 0.2449 by changing the saturation by 10% instead.

■ 31.4076, 0.2399,
0.2449

■ 31.4076, 0.2399,
0.2449

308.4118, 0.2777,
0.2880

■ 20.9094, 0.2302,
0.2340

■ 61.8812, 0.2538,
0.2607

■ 13.0578, 0.2177,
0.2200

■ 82.6255, 0.2590,
0.2666

■ 7.4684, 0.2011,
0.2015

■ 107.5539, 0.2634,
0.2716

■ 3.7567, 0.1781,
0.1763

137.0508, 0.2671,
0.2758

■ 1.5384, 0.1450,
0.1406

171.5006, 0.2703,
0.2795

■ 0.3155, 0.0836,
0.0687

211.2878, 0.2731,

■ 0.0000, 0.0000,

0.2827

0.0000

256.7967, 0.2755,
0.2855

■ 31.4076, 0.2399,
0.2449

■ 31.4076, 0.2399,
0.2449

■ 25.9573, 0.2226,
0.2212

■ 37.6785, 0.2575,
0.2673

■ 21.2861, 0.2063,
0.1968

■ 44.8017, 0.2748,
0.2879

■ 17.3533, 0.1917,
0.1725

■ 52.8117, 0.2915,
0.3067

■ 14.1126, 0.1795,
0.1493

■ 61.7394, 0.3073,
0.3235

■ 11.5102, 0.1702,
0.1281

■ 71.6146, 0.3221,
0.3384

■ 10.1244, 0.1655,
0.1158

■ 82.4653, 0.3357,
0.3515

■ 92.0121, 0.3402,
0.3638

■ 97.4835, 0.3388,
0.3721

Harmonies

Analogous

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



31.4076, 0.2186, 0.2602



31.4076, 0.2399, 0.2449



31.4076, 0.2808, 0.2496

Triad

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



31.4076, 0.2399, 0.2449



31.4076, 0.4159, 0.3474



31.4076, 0.2856, 0.3988

Complementary

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



31.4076, 0.2399, 0.2449



46.6738, 0.3937, 0.4000

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.



31.4076, 0.3379, 0.4251



31.4076, 0.2399, 0.2449



31.4076, 0.4154, 0.3881

Square

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



31.4076, 0.2399, 0.2449



31.4076, 0.3853, 0.3061



31.4076, 0.3858, 0.4185



31.4076, 0.2428, 0.3484

Rectangle

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



31.4076, 0.2399, 0.2449



31.4076, 0.3158, 0.2625



31.4076, 0.3858, 0.4185



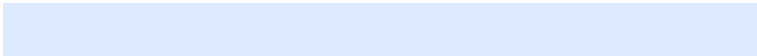
31.4076, 0.3026, 0.4111

Sweetspot

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



31.4088, 0.2399, 0.2449



81.6133, 0.2922, 0.3074



53.6459, 0.2734, 0.3787



16.8528, 0.2886, 0.3034



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.



31.4088, 0.2399, 0.2449



40.6235, 0.2243, 0.2236



22.6501, 0.2400, 0.1974



12.1214, 0.2982, 0.3139



6.2897, 0.1663, 0.1186



0.5016, 0.1767, 0.1560

Inverse Universe

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



29.3646, 0.3833, 0.2870



38.2290, 0.4061, 0.2791



60.2445, 0.3682, 0.4390



11.8793, 0.3233, 0.3205



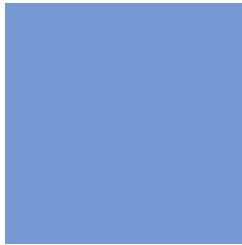
8.7062, 0.5487, 0.2796



0.5019, 0.4982, 0.2518

Previews

White Background



This preview shows how the Yxy color 31.4076, 0.2399, 0.2449 looks on a white background.

Color Contrast Check

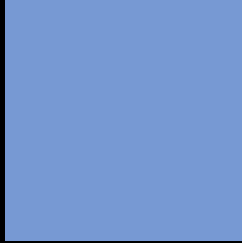
Large Text (above 18pt) WCAG AA × Fail

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 31.4076, 0.2399, 0.2449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

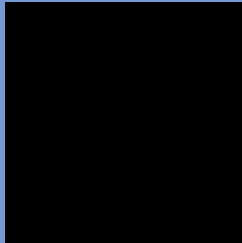
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

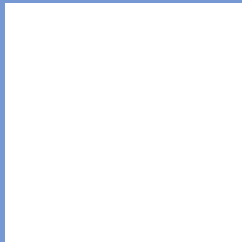
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.4076, 0.2399, 0.2449

Background



This preview shows how black text looks on a background with the Yxy color 31.4076, 0.2399, 0.2449.

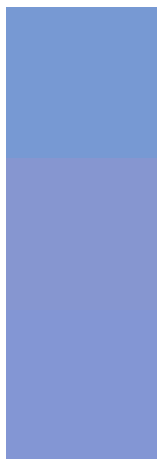


This preview shows how white text looks on a background with the Yxy color 31.4076, 0.2399, 0.2449.

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

31.4076, 0.2399, 0.2449

Protanopia

31.4351, 0.2517, 0.2463

Deuteranopia

31.3915, 0.2469, 0.2411



Tritanopia

31.4100, 0.2589, 0.3078

Trichromacy



Original Color

31.4076, 0.2399, 0.2449

Protanomaly

31.4038, 0.2476, 0.2458

Deuteranomaly

31.3987, 0.2443, 0.2419

Tritanomaly

31.2125, 0.2516, 0.2822

Monochromacy



Original Color

31.4076, 0.2399, 0.2449

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.1945, 0.2817, 0.2950

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4076, 0.2399, 0.2449 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, 153, 211)` looks like.

```
.text, #text, p{  
    color:rgb(119, 153, 211)  
}
```

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, 153, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 153, 211) }
```

Border

The CSS property to change the border of an element to Yxy 31.4076, 0.2399, 0.2449 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, 153, 211) }
```

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

```
.border{ border-color:rgb(119, 153, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 153, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 153, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 153, 211);  
box-shadow:4px 4px 4px 4px rgb(119, 153,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4076, 0.2399, 0.2449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 153, 211) }
```

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

```
.background{ background-color: rgb(119,  
153, 211) }
```

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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