

Converting Colors

$Y_{xy}(31.6110, 0.2489, 0.2514)$

Have a look what the booklet for
Yxy(31.6110, 0.2489, 0.2514)
contains.

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Color

Yxy(31.5019, 0.2490, 0.2508)

Conversions

Conversions Part 1

Format	Color
Hex	8098CE
RGB	128, 152, 206
RGB Percent	50%, 60%, 81%
CMY	0.4979, 0.4040, 0.1921
CMYK	0.38, 0.26, 0.00, 0.19
HSL	222°, 44%, 65%
HSV	222°, 38%, 81%
XYZ	31.2758, 31.5019, 62.8280
YIQ	150.9800, -31.6380, 11.7060

Conversions

Conversions Part 2

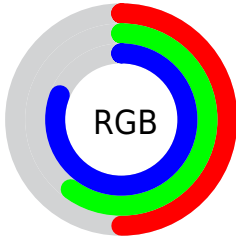
Format	Color
R_{YB}	128, 146, 206
Decimal	8427726
CIE _{Lab}	62.93, 4.98, -30.42
CIE _{LCh}	63, 30.825, 279.297
Yxy	31.5019, 0.2490, 0.2508
Android (android.graphics.Color)	4286617806 (0xFF8098CE)
YUV	150.9800, 27.1249, -20.1535
Hunter-Lab	56.1266, 1.2454, -27.0805

Details

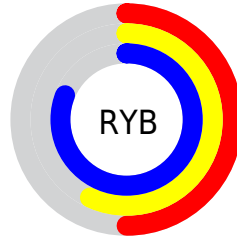
The Yxy color **31.5019, 0.2490, 0.2508** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **48.1613, 0.3792, 0.3962**, and the grayscale version is **30.8341, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4299, 0.2658, 0.2738**, and **13.0376, 0.2294, 0.2276** is the 20% darker color. If you saturate the color by 10%, you get **25.7066, 0.2308, 0.2255**, and if you desaturate by 10%, it is **38.1814, 0.2670, 0.2744**.

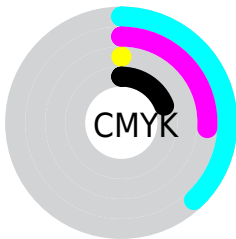
Distribution



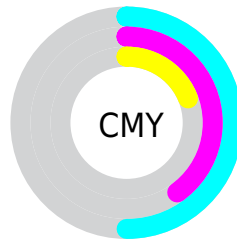
- Red (50%)
- Green (60%)
- Blue (81%)



- Red (50%)
- Yellow (57%)
- Blue (81%)



- Cyan (38%)
- Magenta (26%)
- Yellow (0%)
- Black (19%)



- Cyan (50%)
- Magenta (40%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.5019, 0.2490, 0.2508 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 31.5019, 0.2490, 0.2508 by changing the saturation by 10% instead.

■ 31.5019, 0.2490,
0.2508

■ 31.5019, 0.2490,
0.2508

■ 308.8439, 0.2823,
0.2910

■ 20.9813, 0.2404,
0.2406

■ 62.0294, 0.2614,
0.2656

■ 13.1104, 0.2292,
0.2275

■ 82.8051, 0.2659,
0.2711

■ 7.5046, 0.2141,
0.2100

■ 107.7680, 0.2697,
0.2757

■ 3.7796, 0.1929,
0.1859

■ 137.3025, 0.2730,
0.2796

■ 1.5511, 0.1617,
0.1512

■ 171.7929, 0.2758,
0.2830

■ 0.3243, 0.1032,
0.0778

■ 211.6237, 0.2782,

■ 0.0000, 0.0000,

0.2860

0.0000

257.1793, 0.2804,
0.2886

■ 31.5019, 0.2490,
0.2508

■ 31.5019, 0.2490,
0.2508

■ 25.7066, 0.2308,
0.2255

■ 38.1814, 0.2670,
0.2744

■ 20.7525, 0.2131,
0.1992

■ 45.7784, 0.2844,
0.2960

■ 16.5980, 0.1966,
0.1727

■ 54.3285, 0.3007,
0.3153

■ 13.1961, 0.1823,
0.1473

■ 63.8646, 0.3159,
0.3325

■ 10.4939, 0.1709,
0.1240

■ 74.4177, 0.3298,
0.3477

■ 8.4237, 0.1627,
0.1041

■ 86.0176, 0.3425,
0.3609

■ 8.0430, 0.1612,
0.1002

■ 95.2735, 0.3423,
0.3742

■ 97.2365, 0.3418,
0.3770

Harmonies

Analogous

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



31.5019, 0.2268, 0.2632



31.5019, 0.2490, 0.2508



31.5019, 0.2888, 0.2570

Triad

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



31.5019, 0.2490, 0.2508



31.5019, 0.4088, 0.3510



31.5019, 0.2828, 0.3881

Complementary

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



31.5019, 0.2490, 0.2508



48.1613, 0.3792, 0.3962

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.



31.5019, 0.3308, 0.4155



31.5019, 0.2490, 0.2508



31.5019, 0.4053, 0.3879

Square

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



31.5019, 0.2490, 0.2508



31.5019, 0.3837, 0.3123



31.5019, 0.3759, 0.4134



31.5019, 0.2449, 0.3412

Rectangle

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



31.5019, 0.2490, 0.2508



31.5019, 0.3215, 0.2701



31.5019, 0.3759, 0.4134



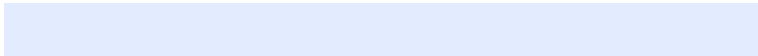
31.5019, 0.2983, 0.4003

Sweetspot

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



31.5031, 0.2490, 0.2508



83.2845, 0.2955, 0.3092



52.0874, 0.2746, 0.3635



17.4147, 0.2932, 0.3066



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.



31.5031, 0.2490, 0.2508



43.6723, 0.2349, 0.2314



25.6866, 0.2559, 0.2185



11.3968, 0.2983, 0.3125



5.1044, 0.1619, 0.1028



0.3985, 0.1731, 0.1430

Inverse Universe

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



30.8390, 0.3761, 0.2986



43.2042, 0.3956, 0.2925



56.8743, 0.3571, 0.4263



11.2695, 0.3243, 0.3219



8.3183, 0.5717, 0.2923



0.4428, 0.5151, 0.2611

Previews

White Background



This preview shows how the Yxy color 31.5019, 0.2490, 0.2508 looks on a white background.

Color Contrast Check

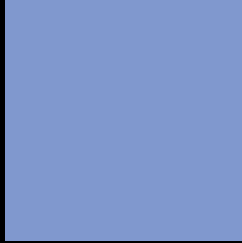
Large Text (above 18pt) WCAG AA × Fail

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 31.5019, 0.2490, 0.2508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

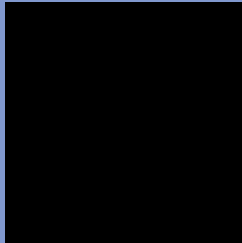
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

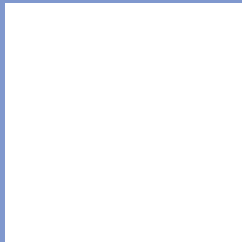
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.5019, 0.2490, 0.2508

Background



This preview shows how black text looks on a background with the Yxy color 31.5019, 0.2490, 0.2508.



This preview shows how white text looks on a background with the Yxy color 31.5019, 0.2490, 0.2508.

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

31.5019, 0.2490, 0.2508

Protanopia

31.4066, 0.2559, 0.2515

Deuteranopia

31.5032, 0.2546, 0.2491



Tritanopia

31.3871, 0.2683, 0.3081

Trichromacy



Original Color

31.5019, 0.2490, 0.2508

Protanomaly

31.5275, 0.2531, 0.2513

Deuteranomaly

31.5760, 0.2525, 0.2501

Tritanomaly

31.4486, 0.2608, 0.2857

Monochromacy



Original Color

31.5019, 0.2490, 0.2508

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.9131, 0.2872, 0.2984

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5019, 0.2490, 0.2508 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, 152, 206)` looks like.

```
.text, #text, p{  
    color:rgb(128, 152, 206)  
}
```

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, 152, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 152, 206) }
```

Border

The CSS property to change the border of an element to Yxy 31.5019, 0.2490, 0.2508 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, 152, 206) }
```

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

```
.border{ border-color:rgb(128, 152, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 152, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 152, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 152, 206);  
box-shadow:4px 4px 4px 4px rgb(128, 152,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5019, 0.2490, 0.2508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 152, 206) }
```

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

```
.background{ background-color: rgb(128,  
152, 206) }
```

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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