

Converting Colors

$Yxy(31.0727, 0.2461, 0.2351)$

Have a look what the booklet for
Yxy(31.0727, 0.2461, 0.2351)
contains.

Yxy(31.0727, 0.2461, 0.2351)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.0727, 0.2461, 0.2351)

Conversions

Conversions Part 1

Format	Color
Hex	8594D7
RGB	133, 148, 215
RGB Percent	52%, 58%, 84%
CMY	0.4785, 0.4196, 0.1569
CMYK	0.38, 0.31, 0.00, 0.16
HSL	229°, 51%, 68%
HSV	229°, 38%, 84%
XYZ	32.5265, 31.0727, 68.5688
YIQ	151.1530, -30.4470, 17.6570

Conversions

Conversions Part 2

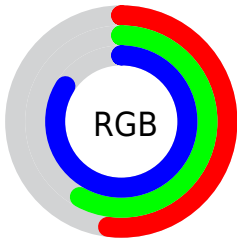
Format	Color
R_{YB}	133, 146, 215
Decimal	8754391
CIE _{Lab}	62.57, 11.07, -35.97
CIE _{LCh}	63, 37.632, 287.113
Yxy	31.0727, 0.2461, 0.2351
Android (android.graphics.Color)	4286944471 (0xFF8594D7)
YUV	151.1530, 31.4766, -15.9202
Hunter-Lab	55.7429, 6.6065, -33.9120

Details

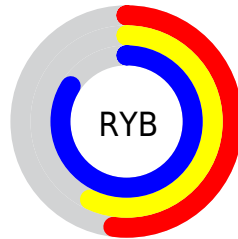
The Yxy color **31.0727, 0.2461, 0.2351** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **57.4387, 0.3757, 0.4079**, and the grayscale version is **30.8889, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2799, 0.2691, 0.2697**, and **12.9357, 0.2252, 0.2090** is the 20% darker color. If you saturate the color by 10%, you get **24.4012, 0.2264, 0.2052**, and if you desaturate by 10%, it is **38.9406, 0.2653, 0.2633**.

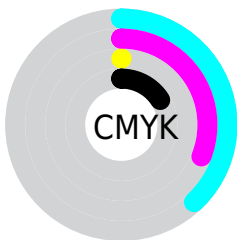
Distribution



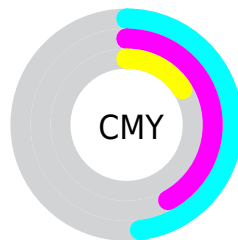
- Red (52%)
- Green (58%)
- Blue (84%)



- Red (52%)
- Yellow (57%)
- Blue (84%)



- Cyan (38%)
- Magenta (31%)
- Yellow (0%)
- Black (16%)



- Cyan (48%)
- Magenta (42%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.0727, 0.2461, 0.2351 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 31.0727, 0.2461, 0.2351 by changing the saturation by 10% instead.

■ 31.0727, 0.2461,
0.2351

■ 31.0727, 0.2461,
0.2351

306.8731, 0.2810,
0.2825

■ 20.6542, 0.2371,
0.2234

■ 61.3545, 0.2591,
0.2523

■ 12.8715, 0.2254,
0.2085

■ 81.9866, 0.2638,
0.2588

■ 7.3401, 0.2097,
0.1890

■ 106.7921, 0.2679,
0.2643

■ 3.6757, 0.1879,
0.1630

136.1553, 0.2713,
0.2690

■ 1.4939, 0.1564,
0.1271

170.4605, 0.2742,
0.2730

■ 0.2844, 0.1060,
0.0558

210.0924, 0.2768,

■ 0.0000, 0.0000,

0.2766

0.0000

255.4351, 0.2790,
0.2797

■ 31.0727, 0.2461,
0.2351

■ 31.0727, 0.2461,
0.2351

■ 24.4012, 0.2264,
0.2052

■ 38.9406, 0.2653,
0.2633

■ 18.8630, 0.2072,
0.1747

■ 48.0568, 0.2835,
0.2890

■ 14.3946, 0.1894,
0.1450

■ 58.4742, 0.3002,
0.3122

■ 10.9242, 0.1743,
0.1180

■ 70.2415, 0.3154,
0.3326

■ 8.3709, 0.1629,
0.0953

■ 83.4052, 0.3291,
0.3505

■ 6.6327, 0.1555,
0.0783

■ 96.6595, 0.3366,
0.3666

■ 6.3811, 0.1544,
0.0758

■ 97.6860, 0.3364,
0.3681

Harmonies

Analogous

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



31.0727, 0.2142, 0.2429



31.0727, 0.2461, 0.2351



31.0727, 0.2981, 0.2480

Triad

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



31.0727, 0.2461, 0.2351



31.0727, 0.4328, 0.3659



31.0727, 0.2619, 0.3887

Complementary

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



31.0727, 0.2461, 0.2351



57.4387, 0.3757, 0.4079

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.



31.0727, 0.3179, 0.4315



31.0727, 0.2461, 0.2351



31.0727, 0.4184, 0.4090

Square

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



31.0727, 0.2461, 0.2351



31.0727, 0.4111, 0.3195



31.0727, 0.3754, 0.4364



31.0727, 0.2220, 0.3271

Rectangle

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



31.0727, 0.2461, 0.2351



31.0727, 0.3391, 0.2663



31.0727, 0.3754, 0.4364



31.0727, 0.2794, 0.4065

Sweetspot

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



31.0739, 0.2461, 0.2351



81.3043, 0.2954, 0.3056



57.7521, 0.2681, 0.3488



16.9456, 0.2931, 0.3025



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.



31.0739, 0.2461, 0.2351



37.4550, 0.2298, 0.2104



29.0458, 0.2646, 0.2200



12.3728, 0.2982, 0.3094



3.9293, 0.1549, 0.0777



0.3493, 0.1633, 0.1079

Inverse Universe

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



33.3575, 0.3889, 0.3107



41.8604, 0.4147, 0.3069



61.1134, 0.3487, 0.4303



12.4576, 0.3263, 0.3248



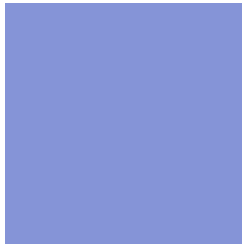
8.7415, 0.6106, 0.3138



0.5386, 0.5641, 0.2881

Previews

White Background



This preview shows how the Yxy color 31.0727, 0.2461, 0.2351 looks on a white background.

Color Contrast Check

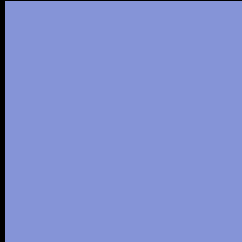
Large Text (above 18pt) WCAG AA × Fail

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 31.0727, 0.2461, 0.2351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

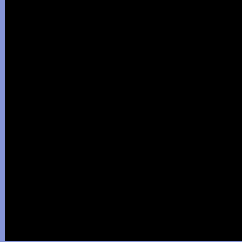
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.0727, 0.2461, 0.2351

Background



This preview shows how black text looks on a background with the Yxy color 31.0727, 0.2461, 0.2351.



This preview shows how white text looks on a background with the Yxy color 31.0727, 0.2461, 0.2351.

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

31.0727, 0.2461, 0.2351

Protanopia

31.1986, 0.2435, 0.2349

Deuteranopia

31.2310, 0.2422, 0.2370



Tritanopia

31.1161, 0.2712, 0.3097

Trichromacy



Original Color

31.0727, 0.2461, 0.2351

Protanomaly

31.2781, 0.2442, 0.2350

Deuteranomaly

31.0683, 0.2434, 0.2358

Tritanomaly

31.0920, 0.2614, 0.2800

Monochromacy



Original Color

31.0727, 0.2461, 0.2351

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.7980, 0.2855, 0.2926

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0727, 0.2461, 0.2351 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(133, 148, 215)` looks like.

```
.text, #text, p{  
    color:rgb(133, 148, 215)  
}
```

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(133, 148, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 148, 215) }
```

Border

The CSS property to change the border of an element to Yxy 31.0727, 0.2461, 0.2351 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(133, 148, 215) }
```

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

```
.border{ border-color:rgb(133, 148, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 148, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 148, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 148, 215);  
box-shadow:4px 4px 4px 4px rgb(133, 148,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0727, 0.2461, 0.2351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 148, 215) }
```

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

```
.background{ background-color: rgb(133,  
148, 215) }
```

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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