

Converting Colors

$Y_{xy}(31.1730, 0.2442, 0.2110)$

Have a look what the booklet for
Yxy(31.1730, 0.2442, 0.2110)
contains.

Yxy(31.2832, 0.2441, 0.2116)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.2832, 0.2441, 0.2116)

Conversions

Conversions Part 1

Format	Color
Hex	928EE8
RGB	146, 142, 232
RGB Percent	57%, 56%, 91%
CMY	0.4275, 0.4431, 0.0902
CMYK	0.37, 0.39, 0.00, 0.09
HSL	243°, 66%, 73%
HSV	243°, 39%, 91%
XYZ	36.0880, 31.2832, 80.4700
YIQ	153.4560, -26.5060, 28.8380

Conversions

Conversions Part 2

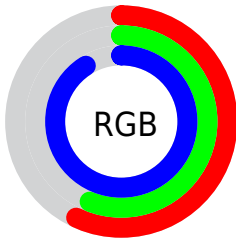
Format	Color
R_{YB}	146, 142, 232
Decimal	9604840
CIE _{Lab}	62.75, 22.64, -45.05
CIE _{LCh}	63, 50.421, 296.675
Yxy	31.2832, 0.2441, 0.2116
Android (android.graphics.Color)	4287794920 (0xFF928EE8)
YUV	153.4560, 38.7222, -6.5389
Hunter-Lab	55.9314, 17.2918, -46.1501

Details

The Yxy color **31.2832, 0.2441, 0.2116** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **76.1562, 0.3678, 0.4261**, and the grayscale version is **31.9005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.3964, 0.2779, 0.2645**, and **13.0130, 0.2227, 0.1814** is the 20% darker color. If you saturate the color by 10%, you get **23.2454, 0.2230, 0.1762**, and if you desaturate by 10%, it is **41.1539, 0.2644, 0.2459**.

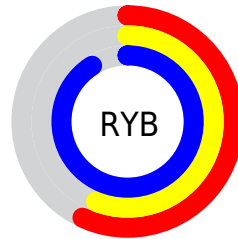
Distribution



Red (57%)

Green (56%)

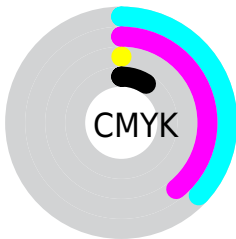
Blue (91%)



Red (57%)

Yellow (56%)

Blue (91%)

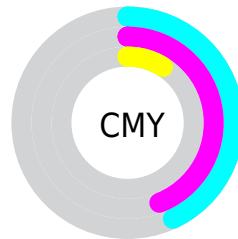


Cyan (37%)

Magenta (39%)

Yellow (0%)

Black (9%)



Cyan (43%)

Magenta (44%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2832, 0.2441, 0.2116 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 31.2832, 0.2441, 0.2116 by changing the saturation by 10% instead.


 31.2832, 0.2441,
0.2116


 31.2832, 0.2441,
0.2116


307.8409, 0.2802,
0.2689


 20.8146, 0.2348,
0.1981


 61.6857, 0.2575,
0.2319

 12.9885, 0.2229,
0.1814


 82.3883, 0.2624,
0.2397

 7.4207, 0.2071,
0.1603


 107.2711, 0.2666,
0.2463

 3.7265, 0.1855,
0.1333

136.7184, 0.2701,
0.2521

 1.5218, 0.1549,
0.0985

171.1147, 0.2732,
0.2571

 0.3040, 0.1130,
0.0408

210.8442, 0.2758,

 0.0000, 0.0000,

0.2615

0.0000

256.2915, 0.2781,
0.2654

■ 31.2832, 0.2441,
0.2116

■ 31.2832, 0.2441,
0.2116

■ 23.2454, 0.2230,
0.1762

■ 41.1539, 0.2644,
0.2459

■ 16.9243, 0.2023,
0.1417

■ 52.9571, 0.2830,
0.2778

■ 12.1960, 0.1834,
0.1109

■ 66.7894, 0.2997,
0.3065

■ 8.9184, 0.1680,
0.0862

■ 82.7398, 0.3144,
0.3319

■ 6.9242, 0.1572,
0.0697

■ 98.6055, 0.3262,
0.3513

■ 5.9717, 0.1515,
0.0613

■ 5.8915, 0.1510,
0.0606

Harmonies

Analogous

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



31.2832, 0.1958, 0.2114



31.2832, 0.2441, 0.2116



31.2832, 0.3176, 0.2353

Triad

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



31.2832, 0.2441, 0.2116



31.2832, 0.4698, 0.3906



31.2832, 0.2252, 0.3836

Complementary

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



31.2832, 0.2441, 0.2116



76.1562, 0.3678, 0.4261

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.



31.2832, 0.2919, 0.4571



31.2832, 0.2441, 0.2116



31.2832, 0.4341, 0.4451

Square

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



31.2832, 0.2441, 0.2116



31.2832, 0.4587, 0.3321



31.2832, 0.3684, 0.4768



31.2832, 0.1851, 0.2986

Rectangle

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



31.2832, 0.2441, 0.2116



31.2832, 0.3732, 0.2619



31.2832, 0.3684, 0.4768



31.2832, 0.2451, 0.4119

Sweetspot

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



31.2844, 0.2441, 0.2116



76.8749, 0.2945, 0.2975



67.6093, 0.2585, 0.3252



15.9650, 0.2923, 0.2938



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.



31.2844, 0.2441, 0.2116



30.2033, 0.2263, 0.1816



36.1221, 0.2798, 0.2223



13.9173, 0.2987, 0.3047



3.2853, 0.1514, 0.0608



0.2535, 0.1554, 0.0630

Inverse Universe

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



42.1057, 0.3207, 0.2371



45.5140, 0.3226, 0.2187



69.8497, 0.3352, 0.4376



14.6037, 0.3145, 0.3068



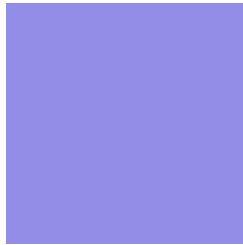
12.4502, 0.3322, 0.1604



0.9235, 0.3304, 0.1594

Previews

White Background



This preview shows how the Yxy color 31.2832, 0.2441, 0.2116 looks on a white background.

Color Contrast Check

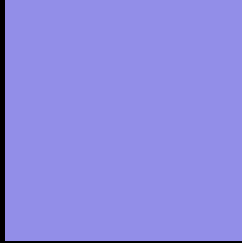
Large Text (above 18pt) WCAG AA × Fail

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 31.2832, 0.2441, 0.2116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

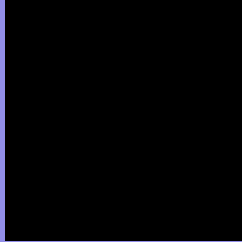
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.2832, 0.2441, 0.2116

Background



This preview shows how black text looks on a background with the Yxy color 31.2832, 0.2441, 0.2116.



This preview shows how white text looks on a background with the Yxy color 31.2832, 0.2441, 0.2116.

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

31.2832, 0.2441, 0.2116

Protanopia

31.5899, 0.2244, 0.2098

Deuteranopia

31.4238, 0.2259, 0.2198



Tritanopia

31.4294, 0.2793, 0.3101

Trichromacy



Original Color

31.2832, 0.2441, 0.2116

Protanomaly

31.2810, 0.2308, 0.2095

Deuteranomaly

31.3850, 0.2320, 0.2166

Tritanomaly

31.1290, 0.2653, 0.2697

Monochromacy



Original Color

31.2832, 0.2441, 0.2116

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.3563, 0.2843, 0.2806

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2832, 0.2441, 0.2116 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(146, 142, 232)` looks like.

```
.text, #text, p{  
    color:rgb(146, 142, 232)  
}
```

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(146, 142, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 142, 232) }
```

Border

The CSS property to change the border of an element to Yxy 31.2832, 0.2441, 0.2116 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(146, 142, 232) }
```

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

```
.border{ border-color:rgb(146, 142, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 142, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 142, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 142, 232);  
box-shadow:4px 4px 4px 4px rgb(146, 142,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2832, 0.2441, 0.2116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 142, 232) }
```

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

```
.background{ background-color: rgb(146,  
142, 232) }
```

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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