

Converting Colors

$Y_{xy}(31.1884, 0.2618, 0.2314)$

Have a look what the booklet for
Yxy(31.1884, 0.2618, 0.2314)
contains.

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Color

Yxy(31.1223, 0.2616, 0.2308)

Conversions

Conversions Part 1

Format	Color
Hex	9A8ED7
RGB	154, 142, 215
RGB Percent	60%, 56%, 84%
CMY	0.3958, 0.4432, 0.1568
CMYK	0.28, 0.34, 0.00, 0.16
HSL	250°, 48%, 70%
HSV	250°, 34%, 84%
XYZ	35.2755, 31.1223, 68.4475
YIQ	153.9100, -16.2810, 25.2470

Conversions

Conversions Part 2

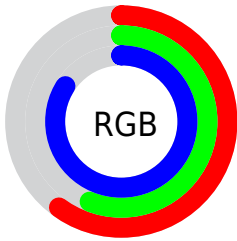
Format	Color
RYB	154, 142, 215
Decimal	10129111
CIELab	62.61, 20.48, -35.79
CIELCh	63, 41.238, 299.779
Yxy	31.1223, 0.2616, 0.2308
Android (android.graphics.Color)	4288319191 (0xFF9A8ED7)
YUV	153.9100, 30.1174, 0.0789
Hunter-Lab	55.7874, 15.2415, -33.6938

Details

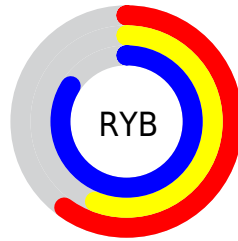
The Yxy color **31.1223, 0.2616, 0.2308** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **63.2474, 0.3539, 0.4161**, and the grayscale version is **32.1481, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.4015, 0.2828, 0.2653**, and **12.9591, 0.2449, 0.2043** is the 20% darker color. If you saturate the color by 10%, you get **23.6998, 0.2430, 0.1971**, and if you desaturate by 10%, it is **40.0444, 0.2788, 0.2629**.

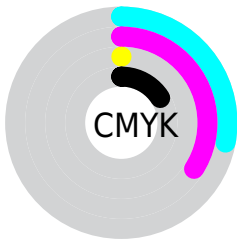
Distribution



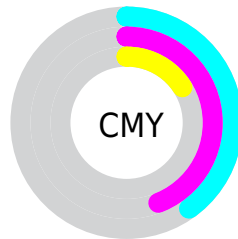
- Red (60%)
- Green (56%)
- Blue (84%)



- Red (60%)
- Yellow (56%)
- Blue (84%)



- Cyan (28%)
- Magenta (34%)
- Yellow (0%)
- Black (16%)





- Cyan (40%)
- Magenta (44%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1223, 0.2616, 0.2308 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 31.1223, 0.2616, 0.2308 by changing the saturation by 10% instead.


 31.1223, 0.2616,
0.2308


 31.1223, 0.2616,
0.2308


307.1014, 0.2889,
0.2797


 20.6920, 0.2543,
0.2189


 61.4326, 0.2719,
0.2484

 12.8990, 0.2448,
0.2039


 82.0813, 0.2756,
0.2550

 7.3591, 0.2319,
0.1844


 106.9050, 0.2788,
0.2607

 3.6877, 0.2135,
0.1586

136.2880, 0.2814,
0.2656

 1.5004, 0.1860,
0.1234

170.6148, 0.2837,
0.2698

 0.2890, 0.1456,
0.0543

210.2697, 0.2857,

 0.0000, 0.0000,

0.2735

0.0000

255.6371, 0.2874,
0.2768

■ 31.1223, 0.2616,
0.2308

■ 31.1223, 0.2616,
0.2308

■ 23.6998, 0.2430,
0.1971

■ 40.0444, 0.2788,
0.2629

■ 17.6904, 0.2236,
0.1633

■ 50.5388, 0.2943,
0.2926

■ 13.0044, 0.2044,
0.1314

■ 62.6780, 0.3078,
0.3192

■ 9.5399, 0.1869,
0.1037

■ 76.5287, 0.3196,
0.3429

■ 7.1800, 0.1722,
0.0825

■ 92.1542, 0.3297,
0.3637

■ 5.7845, 0.1613,
0.0688

■ 97.6871, 0.3363,
0.3681

■ 5.2747, 0.1566,
0.0636

Harmonies

Analogous

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



31.1223, 0.2174, 0.2291



31.1223, 0.2616, 0.2308



31.1223, 0.3246, 0.2530

Triad

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



31.1223, 0.2616, 0.2308



31.1223, 0.4417, 0.3888



31.1223, 0.2360, 0.3664

Complementary

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



31.1223, 0.2616, 0.2308



63.2474, 0.3539, 0.4161

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.



31.1223, 0.2908, 0.4269



31.1223, 0.2616, 0.2308



31.1223, 0.4105, 0.4313

Square

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



31.1223, 0.2616, 0.2308



31.1223, 0.4354, 0.3389



31.1223, 0.3547, 0.4500



31.1223, 0.2035, 0.2993

Rectangle

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



31.1223, 0.2616, 0.2308



31.1223, 0.3697, 0.2771



31.1223, 0.3547, 0.4500



31.1223, 0.2522, 0.3891

Sweetspot

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



31.1235, 0.2616, 0.2308



80.9808, 0.2997, 0.3032



53.8701, 0.2630, 0.3146



16.8046, 0.2978, 0.2994



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.



31.1235, 0.2616, 0.2308



37.4742, 0.2479, 0.2058



35.1238, 0.2928, 0.2390



12.1064, 0.3007, 0.3051



3.1853, 0.1575, 0.0641



0.2233, 0.1723, 0.0723

Inverse Universe

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



38.0977, 0.3279, 0.2577



49.3719, 0.3321, 0.2425



58.8355, 0.3263, 0.4244



12.5958, 0.3163, 0.3098



10.6115, 0.3674, 0.1798



0.6496, 0.3581, 0.1746

Previews

White Background



This preview shows how the Yxy color 31.1223, 0.2616, 0.2308 looks on a white background.

Color Contrast Check

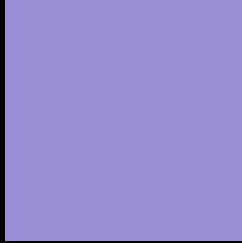
Large Text (above 18pt) WCAG AA × Fail

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 31.1223, 0.2616, 0.2308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

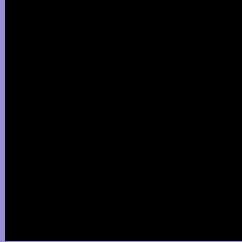
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.1223, 0.2616, 0.2308

Background



This preview shows how black text looks on a background with the Yxy color 31.1223, 0.2616, 0.2308.



This preview shows how white text looks on a background with the Yxy color 31.1223, 0.2616, 0.2308.

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

31.1223, 0.2616, 0.2308

Protanopia

31.3045, 0.2392, 0.2290

Deuteranopia

31.2839, 0.2449, 0.2396



Tritanopia

31.0661, 0.2941, 0.3105

Trichromacy



Original Color

31.1223, 0.2616, 0.2308

Protanomaly

30.9906, 0.2462, 0.2285

Deuteranomaly

31.1257, 0.2503, 0.2357

Tritanomaly

30.8946, 0.2815, 0.2774

Monochromacy



Original Color

31.1223, 0.2616, 0.2308

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.8173, 0.2931, 0.2908

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1223, 0.2616, 0.2308 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(154, 142, 215)` looks like.

```
.text, #text, p{  
    color:rgb(154, 142, 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(154, 142, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 142, 215) }
```

Border

The CSS property to change the border of an element to Yxy 31.1223, 0.2616, 0.2308 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(154, 142, 215) }
```

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

```
.border{ border-color:rgb(154, 142, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 142, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 142, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 142, 215);  
box-shadow:4px 4px 4px 4px rgb(154, 142,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1223, 0.2616, 0.2308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 142, 215) }
```

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

```
.background{ background-color: rgb(154,  
142, 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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