

Converting Colors

$Y_{xy}(31.2000, 0.3048, 0.2787)$

Have a look what the booklet for
Yxy(31.2000, 0.3048, 0.2787)
contains.

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Color

Yxy(31.2244, 0.3040, 0.2783)

Conversions

Conversions Part 1

Format	Color
Hex	A88FB3
RGB	168, 143, 179
RGB Percent	66%, 56%, 70%
CMY	0.3411, 0.4392, 0.2981
CMYK	0.06, 0.20, 0.00, 0.30
HSL	282°, 19%, 63%
HSV	282°, 20%, 70%
XYZ	34.1079, 31.2244, 46.8646
YIQ	154.5790, 3.3440, 16.4960

Conversions

Conversions Part 2

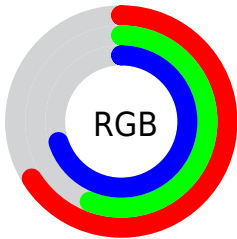
Format	Color
RYB	168, 143, 179
Decimal	11046835
CIELab	62.70, 16.10, -15.32
CIELCh	63, 22.226, 316.422
Yxy	31.2244, 0.3040, 0.2783
Android (android.graphics.Color)	4289236915 (0xFFA88FB3)
YUV	154.5790, 12.0396, 11.7702
Hunter-Lab	55.8788, 11.1667, -10.6104

Details

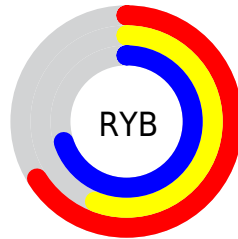
The Yxy color **31.2244, 0.3040, 0.2783** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **41.0809, 0.3197, 0.3819**, and the grayscale version is **32.5285, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.6186, 0.3055, 0.2879**, and **13.0481, 0.3012, 0.2641** is the 20% darker color. If you saturate the color by 10%, you get **25.6877, 0.2985, 0.2514**, and if you desaturate by 10%, it is **37.6462, 0.3087, 0.3043**.

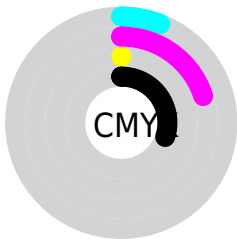
Distribution



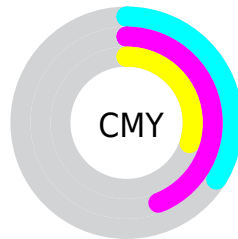
- Red (66%)
- Green (56%)
- Blue (70%)



- Red (66%)
- Yellow (56%)
- Blue (70%)



- Cyan (6%)
- Magenta (20%)
- Yellow (0%)
- Black (30%)




- Cyan (34%)
- Magenta (44%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2244, 0.3040, 0.2783 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 31.2244, 0.3040, 0.2783 by changing the saturation by 10% instead.


 31.2244, 0.3040,
0.2783


 31.2244, 0.3040,
0.2783


307.5708, 0.3090,
0.3044

 20.7698, 0.3025,
0.2716


 61.5932, 0.3060,
0.2880

 12.9558, 0.3005,
0.2628


 82.2762, 0.3067,
0.2915

 7.3981, 0.2976,
0.2508


107.1374, 0.3072,
0.2945

 3.7123, 0.2930,
0.2338

136.5612, 0.3077,
0.2971

 1.5140, 0.2848,
0.2076

170.9321, 0.3081,
0.2993

 0.2985, 0.2775,
0.1224

210.6344, 0.3084,

 0.0000, 0.0000,

0.3012

0.0000

256.0525, 0.3087,
0.3029

■ 31.2244, 0.3040,
0.2783

■ 31.2244, 0.3040,
0.2783

■ 25.6877, 0.2985,
0.2514

■ 37.6462, 0.3087,
0.3043

■ 20.9912, 0.2922,
0.2243

■ 44.9873, 0.3127,
0.3288

■ 17.0920, 0.2851,
0.1979

■ 53.2848, 0.3160,
0.3516

■ 13.9420, 0.2774,
0.1734

■ 62.5728, 0.3186,
0.3725

■ 11.4875, 0.2693,
0.1519

■ 72.8835, 0.3208,
0.3915

9.6676, 0.2611,
0.1343

84.2477, 0.3225,
0.4088

8.4104, 0.2530,
0.1214

87.9230, 0.3254,
0.4123

7.5717, 0.2453,
0.1125

88.7181, 0.3289,
0.4113

89.5406, 0.3325,
0.4104

Harmonies

Analogous

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



31.2244, 0.2721, 0.2709



31.2244, 0.3040, 0.2783



31.2244, 0.3401, 0.2973

Triad

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



31.2244, 0.3040, 0.2783



31.2244, 0.3766, 0.3785



31.2244, 0.2582, 0.3301

Complementary

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



31.2244, 0.3040, 0.2783



41.0809, 0.3197, 0.3819

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.



31.2244, 0.2839, 0.3639



31.2244, 0.3040, 0.2783



31.2244, 0.3523, 0.3921

Square

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



31.2244, 0.3040, 0.2783



31.2244, 0.3834, 0.3533



31.2244, 0.3182, 0.3874



31.2244, 0.2469, 0.2984

Rectangle

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



31.2244, 0.3040, 0.2783



31.2244, 0.3613, 0.3146



31.2244, 0.3182, 0.3874



31.2244, 0.2654, 0.3417

Sweetspot

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



31.2257, 0.3040, 0.2783



72.5002, 0.3104, 0.3142



32.3351, 0.2809, 0.2922



15.8789, 0.3101, 0.3127



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.2257, 0.3040, 0.2783



51.4794, 0.3017, 0.2668



32.2198, 0.3214, 0.2886



8.5142, 0.3091, 0.3062



5.3873, 0.2462, 0.1130



0.1984, 0.2679, 0.1249

Inverse Universe

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



31.5584, 0.3402, 0.3136



52.2203, 0.3477, 0.3101



40.2600, 0.3051, 0.3731



8.5465, 0.3241, 0.3221



6.9745, 0.5710, 0.2919



0.2301, 0.4905, 0.2476

Previews

White Background



This preview shows how the Yxy color 31.2244, 0.3040, 0.2783 looks on a white background.

Color Contrast Check

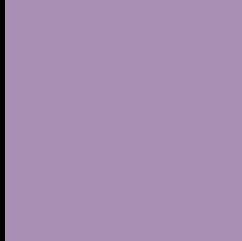
Large Text (above 18pt) WCAG AA × Fail

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 31.2244, 0.3040, 0.2783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

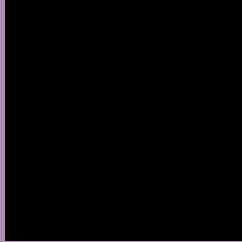
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.2244, 0.3040, 0.2783

Background



This preview shows how black text looks on a background with the Yxy color 31.2244, 0.3040, 0.2783.



This preview shows how white text looks on a background with the Yxy color 31.2244, 0.3040, 0.2783.

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

31.2244, 0.3040, 0.2783

Protanopia

31.2027, 0.2773, 0.2786

Deuteranopia

31.2642, 0.2913, 0.2850



Tritanopia

31.3354, 0.3207, 0.3129

Trichromacy



Original Color

31.2244, 0.3040, 0.2783

Protanomaly

31.0171, 0.2869, 0.2780

Deuteranomaly

31.1430, 0.2960, 0.2827

Tritanomaly

31.4179, 0.3141, 0.3000

Monochromacy



Original Color

31.2244, 0.3040, 0.2783

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.2871, 0.3096, 0.3098

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2244, 0.3040, 0.2783 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(168, 143, 179)` looks like.

```
.text, #text, p{  
    color:rgb(168, 143, 179)  
}
```

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(168, 143, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 143, 179) }
```

Border

The CSS property to change the border of an element to Yxy 31.2244, 0.3040, 0.2783 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(168, 143, 179) }
```

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

```
.border{ border-color:rgb(168, 143, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 143, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 143, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 143, 179);  
box-shadow:4px 4px 4px 4px rgb(168, 143,  
179) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 31.2244, 0.3040, 0.2783$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 143, 179) }
```

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

```
.background{ background-color: rgb(168,  
143, 179) }
```

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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