

Converting Colors

$Y_{xy}(31.1816, 0.2675, 0.2171)$

Have a look what the booklet for
Yxy(31.1816, 0.2675, 0.2171)
contains.

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Color

Yxy(31.0907, 0.2677, 0.2171)

Conversions

Conversions Part 1

Format	Color
Hex	A987DF
RGB	169, 135, 223
RGB Percent	66%, 53%, 87%
CMY	0.3374, 0.4705, 0.1255
CMYK	0.24, 0.39, 0.00, 0.13
HSL	263°, 58%, 70%
HSV	263°, 39%, 87%
XYZ	38.3371, 31.0907, 73.7813
YIQ	155.1980, -7.9840, 34.5760

Conversions

Conversions Part 2

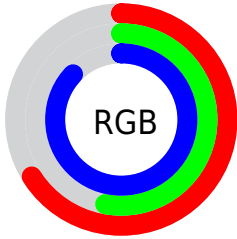
Format	Color
R _Y B	169, 135, 223
Decimal	11110367
CIE Lab	62.58, 30.70, -40.18
CIE LCh	63, 50.567, 307.387
Yxy	31.0907, 0.2677, 0.2171
Android (android.graphics.Color)	4289300447 (0xFFA987DF)
YUV	155.1980, 33.4264, 12.1044
Hunter-Lab	55.7590, 25.1492, -39.4222

Details

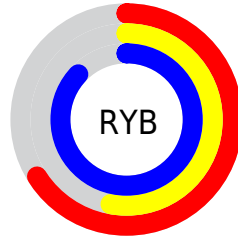
The Yxy color **31.0907, 0.2677, 0.2171** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **65.3420, 0.3452, 0.4359**, and the grayscale version is **32.7220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.7839, 0.2940, 0.2600**, and **12.9319, 0.2529, 0.1891** is the 20% darker color. If you saturate the color by 10%, you get **24.0706, 0.2529, 0.1858**, and if you desaturate by 10%, it is **39.5749, 0.2813, 0.2481**.

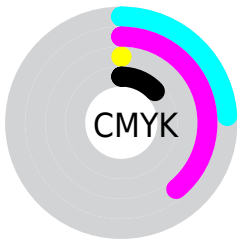
Distribution



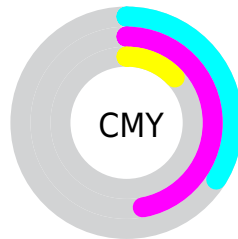
- Red (66%)
- Green (53%)
- Blue (87%)



- Red (66%)
- Yellow (53%)
- Blue (87%)



- Cyan (24%)
- Magenta (39%)
- Yellow (0%)
- Black (13%)



- Cyan (34%)
- Magenta (47%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.0907, 0.2677, 0.2171 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 31.0907, 0.2677, 0.2171 by changing the saturation by 10% instead.


 31.0907, 0.2677,
0.2171


 31.0907, 0.2677,
0.2171


306.9560, 0.2923,
0.2716


 20.6679, 0.2611,
0.2042


 61.3828, 0.2770,
0.2364

 12.8815, 0.2523,
0.1882


 82.0210, 0.2804,
0.2438

 7.3470, 0.2404,
0.1678


 106.8331, 0.2832,
0.2502

 3.6800, 0.2234,
0.1414

136.2034, 0.2856,
0.2556

 1.4962, 0.1978,
0.1068

170.5165, 0.2877,
0.2604

 0.2861, 0.1605,
0.0444

210.1567, 0.2894,

 0.0000, 0.0000,

0.2646

0.0000

255.5084, 0.2909,
0.2683

■ 31.0907, 0.2677,
0.2171

■ 31.0907, 0.2677,
0.2171

■ 24.0706, 0.2529,
0.1858

■ 39.5749, 0.2813,
0.2481

■ 18.4242, 0.2373,
0.1556

■ 49.5991, 0.2934,
0.2777

■ 14.0561, 0.2216,
0.1283

■ 61.2381, 0.3041,
0.3052

■ 10.8571, 0.2065,
0.1055

■ 74.5609, 0.3132,
0.3303

■ 8.6980, 0.1931,
0.0886

■ 89.6322, 0.3209,
0.3530

■ 7.3698, 0.1816,
0.0776

■ 97.3806, 0.3290,
0.3604

■ 7.3069, 0.1810,
0.0771

■ 98.1069, 0.3316,
0.3602

Harmonies

Analogous

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



31.0907, 0.2093, 0.2080



31.0907, 0.2677, 0.2171



31.0907, 0.3476, 0.2483

Triad

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



31.0907, 0.2677, 0.2171



31.0907, 0.4624, 0.4115



31.0907, 0.2069, 0.3520

Complementary

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



31.0907, 0.2677, 0.2171



65.3420, 0.3452, 0.4359

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.



31.0907, 0.2656, 0.4361



31.0907, 0.2677, 0.2171



31.0907, 0.4135, 0.4611

Square

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



31.0907, 0.2677, 0.2171



31.0907, 0.4694, 0.3528



31.0907, 0.3414, 0.4776



31.0907, 0.1778, 0.2732

Rectangle

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



31.0907, 0.2677, 0.2171



31.0907, 0.4020, 0.2787



31.0907, 0.3414, 0.4776



31.0907, 0.2235, 0.3817

Sweetspot

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



31.0919, 0.2677, 0.2171



78.6148, 0.3014, 0.2981



46.9895, 0.2516, 0.2844



16.3718, 0.3000, 0.2946



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.



31.0919, 0.2677, 0.2171



34.4609, 0.2561, 0.1923



36.7659, 0.3076, 0.2292



13.4998, 0.3041, 0.3052



4.3575, 0.1825, 0.0779



0.3525, 0.1999, 0.0875

Inverse Universe

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



36.6961, 0.3507, 0.2665



43.2213, 0.3614, 0.2544



60.5629, 0.3137, 0.4472



13.8413, 0.3197, 0.3147



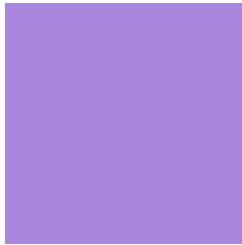
10.3084, 0.4477, 0.2240



0.7319, 0.4229, 0.2104

Previews

White Background



This preview shows how the Yxy color 31.0907, 0.2677, 0.2171 looks on a white background.

Color Contrast Check

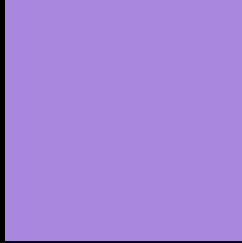
Large Text (above 18pt) WCAG AA × Fail

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 31.0907, 0.2677, 0.2171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

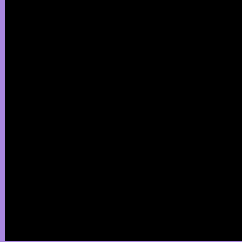
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.0907, 0.2677, 0.2171

Background



This preview shows how black text looks on a background with the Yxy color 31.0907, 0.2677, 0.2171.



This preview shows how white text looks on a background with the Yxy color 31.0907, 0.2677, 0.2171.

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

31.0907, 0.2677, 0.2171

Protanopia

31.4285, 0.2270, 0.2139

Deuteranopia

31.2651, 0.2373, 0.2308



Tritanopia

30.9870, 0.3115, 0.3110

Trichromacy



Original Color

31.0907, 0.2677, 0.2171

Protanomaly

31.0630, 0.2399, 0.2145

Deuteranomaly

31.0467, 0.2470, 0.2256

Tritanomaly

30.7452, 0.2944, 0.2721

Monochromacy



Original Color

31.0907, 0.2677, 0.2171

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

31.9487, 0.2953, 0.2831

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0907, 0.2677, 0.2171 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(169, 135, 223)` looks like.

```
.text, #text, p{  
    color:rgb(169, 135, 223)  
}
```

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(169, 135, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 135, 223) }
```

Border

The CSS property to change the border of an element to Yxy 31.0907, 0.2677, 0.2171 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(169, 135, 223) }
```

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

```
.border{ border-color:rgb(169, 135, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 135, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 135, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 135, 223);  
box-shadow:4px 4px 4px 4px rgb(169, 135,  
223) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 31.0907, 0.2677, 0.2171$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 135, 223) }
```

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

```
.background{ background-color: rgb(169,  
135, 223) }
```

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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