

Converting Colors

$Y_{xy}(31.2285, 0.2654, 0.2054)$

Have a look what the booklet for
Yxy(31.2285, 0.2654, 0.2054)
contains.

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Color

Yxy(31.1728, 0.2659, 0.2054)

Conversions

Conversions Part 1

Format	Color
Hex	AF83E8
RGB	175, 131, 232
RGB Percent	69%, 51%, 91%
CMY	0.3139, 0.4862, 0.0902
CMYK	0.25, 0.44, 0.00, 0.09
HSL	266°, 69%, 71%
HSV	266°, 44%, 91%
XYZ	40.3547, 31.1728, 80.2388
YIQ	155.6700, -6.1970, 40.7390

Conversions

Conversions Part 2

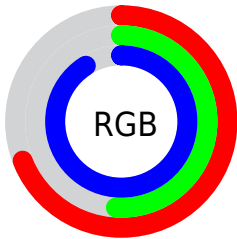
Format	Color
R_{YB}	175, 131, 232
Decimal	11502568
CIE _{Lab}	62.65, 36.78, -45.04
CIE _{LCh}	63, 58.148, 309.232
Yxy	31.1728, 0.2659, 0.2054
Android (android.graphics.Color)	4289692648 (0xFFAF83E8)
YUV	155.6700, 37.6307, 16.9524
Hunter-Lab	55.8326, 31.3091, -46.1248

Details

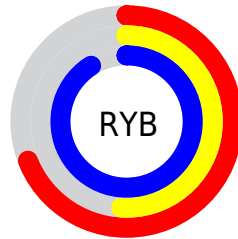
The Yxy color **31.1728, 0.2659, 0.2054** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **70.0565, 0.3444, 0.4493**, and the grayscale version is **32.9227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.0737, 0.2984, 0.2567**, and **12.8650, 0.2497, 0.1741** is the 20% darker color. If you saturate the color by 10%, you get **24.1798, 0.2518, 0.1750**, and if you desaturate by 10%, it is **39.7106, 0.2790, 0.2361**.

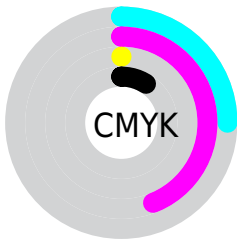
Distribution



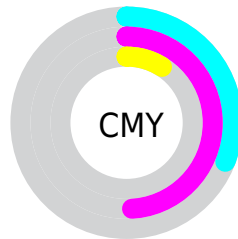
- Red (69%)
- Green (51%)
- Blue (91%)



- Red (69%)
- Yellow (51%)
- Blue (91%)



- Cyan (25%)
- Magenta (44%)
- Yellow (0%)
- Black (9%)





- Cyan (31%)
- Magenta (49%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1728, 0.2659, 0.2054 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 31.1728, 0.2659, 0.2054 by changing the saturation by 10% instead.


 31.1728, 0.2659,
0.2054

 31.1728, 0.2659,
0.2054


307.3336, 0.2916,
0.2646


 20.7305, 0.2590,
0.1917


 61.5120, 0.2757,
0.2261

 12.9271, 0.2499,
0.1749

 82.1777, 0.2792,
0.2342

 7.3784, 0.2376,
0.1539


 107.0200, 0.2822,
0.2410

 3.6998, 0.2202,
0.1273

136.4232, 0.2847,
0.2470

 1.5071, 0.1944,
0.0936

170.7718, 0.2868,
0.2522

 0.2937, 0.1573,
0.0378

210.4501, 0.2886,


 0.0000, 0.0408,


0.2568


0.0000


255.8426, 0.2902,
0.2609

 0.0000, 0.0000,
0.0000

 31.1728, 0.2659,
0.2054


 31.1728, 0.2659,
0.2054


 24.1798, 0.2518,
0.1750


 39.7106, 0.2790,
0.2361


 18.6297, 0.2370,
0.1466


 49.8792, 0.2907,
0.2660

 14.4132, 0.2224,
0.1216


 61.7621, 0.3010,
0.2943


 11.4036, 0.2085,
0.1017

 75.4364, 0.3099,
0.3204

 9.4473, 0.1961,
0.0878

 90.9740, 0.3175,
0.3441

 8.5903, 0.1889,
0.0814

 98.3413, 0.3253,
0.3513

 98.6066, 0.3262,
0.3513

Harmonies

Analogous

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



31.1728, 0.1994, 0.1934



31.1728, 0.2659, 0.2054



31.1728, 0.3578, 0.2410

Triad

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



31.1728, 0.2659, 0.2054



31.1728, 0.4790, 0.4222



31.1728, 0.1896, 0.3479

Complementary

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



31.1728, 0.2659, 0.2054



70.0565, 0.3444, 0.4493

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.



31.1728, 0.2527, 0.4491



31.1728, 0.2659, 0.2054



31.1728, 0.4196, 0.4801

Square

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



31.1728, 0.2659, 0.2054



31.1728, 0.4929, 0.3567



31.1728, 0.3371, 0.5005



31.1728, 0.1607, 0.2593

Rectangle

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



31.1728, 0.2659, 0.2054



31.1728, 0.4203, 0.2750



31.1728, 0.3371, 0.5005



31.1728, 0.2070, 0.3830

Sweetspot

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



31.1740, 0.2659, 0.2054



77.2627, 0.3015, 0.2955



46.7253, 0.2442, 0.2719



15.7930, 0.2993, 0.2895



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.



31.1740, 0.2659, 0.2054



30.9522, 0.2536, 0.1788



38.1164, 0.3115, 0.2206



14.1923, 0.3048, 0.3052



4.8401, 0.1906, 0.0824



0.4118, 0.2069, 0.0914

Inverse Universe

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



37.0288, 0.3616, 0.2652



39.3227, 0.3760, 0.2534



64.7388, 0.3104, 0.4630



14.5037, 0.3204, 0.3158



10.4606, 0.4681, 0.2352



0.7916, 0.4407, 0.2202

Previews

White Background



This preview shows how the Yxy color 31.1728, 0.2659, 0.2054 looks on a white background.

Color Contrast Check

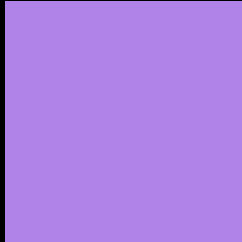
Large Text (above 18pt) WCAG AA × Fail

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 31.1728, 0.2659, 0.2054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

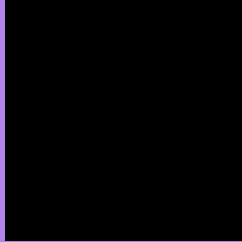
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.1728, 0.2659, 0.2054

Background



This preview shows how black text looks on a background with the Yxy color 31.1728, 0.2659, 0.2054.



This preview shows how white text looks on a background with the Yxy color 31.1728, 0.2659, 0.2054.

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

31.1728, 0.2659, 0.2054

Protanopia

31.3400, 0.2161, 0.1988

Deuteranopia

31.4477, 0.2281, 0.2223



Tritanopia

31.0520, 0.3166, 0.3112

Trichromacy



Original Color

31.1728, 0.2659, 0.2054



Protanomaly

30.9077, 0.2307, 0.1998



Deuteranomaly

30.9220, 0.2397, 0.2153



Tritanomaly

30.8104, 0.2966, 0.2662

Monochromacy



Original Color

31.1728, 0.2659, 0.2054



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

32.1147, 0.2946, 0.2767

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1728, 0.2659, 0.2054 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(175, 131, 232)` looks like.

```
.text, #text, p{  
    color:rgb(175, 131, 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(175, 131, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 131, 232) }
```

Border

The CSS property to change the border of an element to Yxy 31.1728, 0.2659, 0.2054 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(175, 131, 232) }
```

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

```
.border{ border-color:rgb(175, 131, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 131, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 131, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 131, 232);  
box-shadow:4px 4px 4px 4px rgb(175, 131,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1728, 0.2659, 0.2054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 131, 232) }
```

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

```
.background{ background-color: rgb(175,  
131, 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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