

Converting Colors

$Y_{xy}(31.6192, 0.2685, 0.2080)$

Have a look what the booklet for
Yxy(31.6192, 0.2685, 0.2080)
contains.

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Color

Yxy(31.6192, 0.2685, 0.2080)

Conversions

Conversions Part 1

Format	Color
Hex	B184E7
RGB	177, 132, 231
RGB Percent	69%, 52%, 91%
CMY	0.3057, 0.4824, 0.0940
CMYK	0.23, 0.43, 0.00, 0.09
HSL	267°, 67%, 71%
HSV	267°, 43%, 91%
XYZ	40.8161, 31.6192, 79.5801
YIQ	156.7410, -4.9590, 40.3290

Conversions

Conversions Part 2

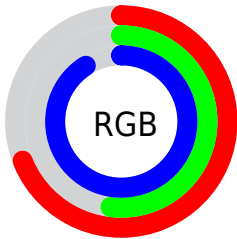
Format	Color
RYB	177, 132, 231
Decimal	11633895
CIELab	63.03, 36.59, -43.90
CIELCh	63, 57.152, 309.812
Yxy	31.6192, 0.2685, 0.2080
Android (android.graphics.Color)	4289823975 (0xFFB184E7)
YUV	156.7410, 36.6097, 17.7671
Hunter-Lab	56.2310, 31.1629, -44.5477

Details

The Yxy color **31.6192, 0.2685, 0.2080** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **69.2751, 0.3426, 0.4479**, and the grayscale version is **33.4303, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.8302, 0.2999, 0.2580**, and **13.1176, 0.2530, 0.1774** is the 20% darker color. If you saturate the color by 10%, you get **24.6223, 0.2549, 0.1779**, and if you desaturate by 10%, it is **40.1424, 0.2810, 0.2385**.

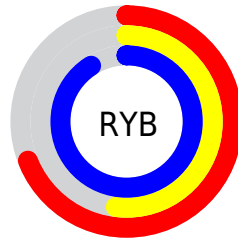
Distribution



Red (69%)

Green (52%)

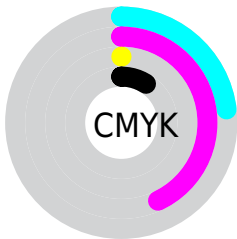
Blue (91%)



Red (69%)

Yellow (52%)

Blue (91%)

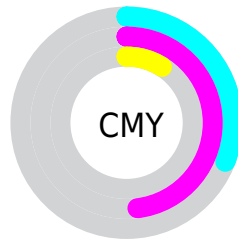


Cyan (23%)

Magenta (43%)

Yellow (0%)

Black (9%)



Cyan (31%)


Magenta (48%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6192, 0.2685, 0.2080 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 31.6192, 0.2685, 0.2080 by changing the saturation by 10% instead.


 31.6192, 0.2685,
0.2080


 31.6192, 0.2685,
0.2080


309.3809, 0.2928,
0.2660

 21.0708, 0.2619,
0.1946


 62.2136, 0.2778,
0.2283

 13.1758, 0.2533,
0.1781

 83.0285, 0.2811,
0.2362

 7.5497, 0.2415,
0.1574


 108.0342, 0.2839,
0.2429

 3.8082, 0.2249,
0.1311

137.6153, 0.2863,
0.2488

 1.5669, 0.2001,
0.0975

172.1562, 0.2883,
0.2539

 0.3351, 0.1638,
0.0433

212.0411, 0.2900,

 0.0000, 0.0528,

0.2584

0.0000

257.6545, 0.2915,
0.2624

0.0000, 0.0000,
0.0000

31.6192, 0.2685,
0.2080

31.6192, 0.2685,
0.2080

24.6223, 0.2549,
0.1779

40.1424, 0.2810,
0.2385

19.0516, 0.2406,
0.1495

50.2759, 0.2923,
0.2681

14.8007, 0.2263,
0.1246


62.1017, 0.3021,
0.2961


11.7456, 0.2127,
0.1046


75.6952, 0.3105,
0.3220

9.7374, 0.2003,
0.0904

91.1270, 0.3177,
0.3456

 8.7799, 0.1924,
0.0834

 98.1007, 0.3252,
0.3523

 98.5516, 0.3268,
0.3522

Harmonies

Analogous

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



31.6192, 0.2025, 0.1958



31.6192, 0.2685, 0.2080



31.6192, 0.3588, 0.2435

Triad

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



31.6192, 0.2685, 0.2080



31.6192, 0.4752, 0.4223



31.6192, 0.1911, 0.3458

Complementary

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



31.6192, 0.2685, 0.2080



69.2751, 0.3426, 0.4479

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.



31.6192, 0.2527, 0.4445



31.6192, 0.2685, 0.2080



31.6192, 0.4166, 0.4782

Square

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



31.6192, 0.2685, 0.2080



31.6192, 0.4895, 0.3580



31.6192, 0.3354, 0.4963



31.6192, 0.1632, 0.2597

Rectangle

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



31.6192, 0.2685, 0.2080



31.6192, 0.4196, 0.2772



31.6192, 0.3354, 0.4963



31.6192, 0.2081, 0.3799

Sweetspot

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



31.6205, 0.2685, 0.2080



77.3750, 0.3019, 0.2956



45.9886, 0.2448, 0.2707



15.8206, 0.2998, 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.



31.6205, 0.2685, 0.2080



32.0774, 0.2571, 0.1826



38.4516, 0.3130, 0.2226



14.2066, 0.3051, 0.3052



4.9921, 0.1941, 0.0843



0.4235, 0.2103, 0.0932

Inverse Universe

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



37.0372, 0.3627, 0.2683



39.8932, 0.3771, 0.2571



64.1508, 0.3094, 0.4610



14.4988, 0.3207, 0.3163



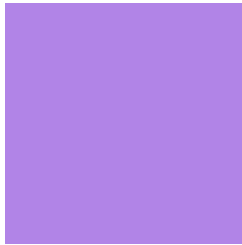
10.3931, 0.4764, 0.2398



0.7867, 0.4474, 0.2238

Previews

White Background



This preview shows how the Yxy color 31.6192, 0.2685, 0.2080 looks on a white background.

Color Contrast Check

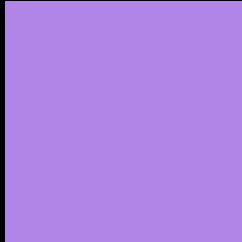
Large Text (above 18pt) WCAG AA × Fail

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 31.6192, 0.2685, 0.2080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

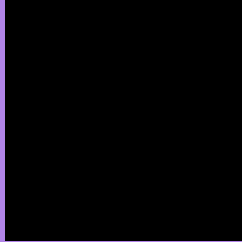
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.6192, 0.2685, 0.2080

Background



This preview shows how black text looks on a background with the Yxy color 31.6192, 0.2685, 0.2080.



This preview shows how white text looks on a background with the Yxy color 31.6192, 0.2685, 0.2080.

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

31.6192, 0.2685, 0.2080

Protanopia

32.1114, 0.2187, 0.2029

Deuteranopia

31.9956, 0.2313, 0.2254



Tritanopia

31.5755, 0.3186, 0.3128

Trichromacy



Original Color

31.6192, 0.2685, 0.2080



Protanomaly

31.3991, 0.2335, 0.2026



Deuteranomaly

31.5150, 0.2434, 0.2185



Tritanomaly

31.2838, 0.2995, 0.2693

Monochromacy



Original Color

31.6192, 0.2685, 0.2080



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

32.5330, 0.2956, 0.2783

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6192, 0.2685, 0.2080 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(177, 132, 231)` looks like.

```
.text, #text, p{  
    color:rgb(177, 132, 231)  
}
```

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(177, 132, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 132, 231) }
```

Border

The CSS property to change the border of an element to Yxy 31.6192, 0.2685, 0.2080 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(177, 132, 231) }
```

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

```
.border{ border-color:rgb(177, 132, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 132, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 132, 231); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 132, 231); box-shadow:4px 4px 4px 4px rgb(177, 132, 231) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6192, 0.2685, 0.2080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 132, 231) }
```

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

```
.background{ background-color: rgb(177,  
132, 231) }
```

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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