

Converting Colors

$Y_{xy}(18.0796, 0.2761, 0.1446)$

Have a look what the booklet for
Yxy(18.0796, 0.2761, 0.1446)
contains.

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Color

Yxy(18.0281, 0.2763, 0.1446)

Conversions

Conversions Part 1

Format	Color
Hex	B834E0
RGB	184, 52, 224
RGB Percent	72%, 20%, 88%
CMY	0.2785, 0.7960, 0.1215
CMYK	0.18, 0.77, 0.00, 0.12
HSL	286°, 74%, 54%
HSV	286°, 77%, 88%
XYZ	34.4479, 18.0281, 72.1997
YIQ	111.0760, 23.4600, 81.4760

Conversions

Conversions Part 2

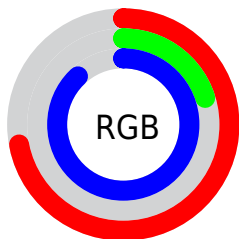
Format	Color
RYB	184, 52, 224
Decimal	12072160
CIELab	49.53, 74.03, -61.42
CIElCh	50, 96.192, 320.319
Yxy	18.0281, 0.2763, 0.1446
Android (android.graphics.Color)	4290262240 (0xFFB834E0)
YUV	111.0760, 55.6715, 63.9543
Hunter-Lab	42.4595, 70.5149, -71.0972

Details

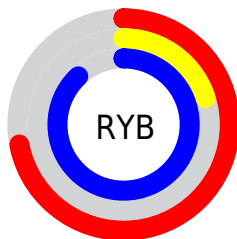
The Yxy color **18.0281, 0.2763, 0.1446** is a light color, and the websafe version is hex **9900CC**. The color can be described as light washed purple. A complement of this color would be **55.8492, 0.3173, 0.5590**, and the grayscale version is **15.7530, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.2634, 0.3090, 0.1930**, and **7.2628, 0.2588, 0.1199** is the 20% darker color. If you saturate the color by 10%, you get **15.8481, 0.2700, 0.1319**, and if you desaturate by 10%, it is **21.1812, 0.2826, 0.1619**.

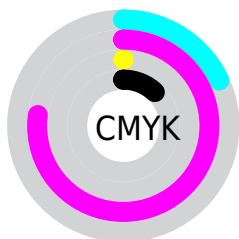
Distribution



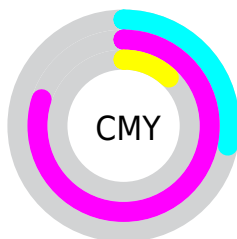
- Red (72%)
- Green (20%)
- Blue (88%)



- Red (72%)
- Yellow (20%)
- Blue (88%)



- Cyan (18%)
- Magenta (77%)
- Yellow (0%)
- Black (12%)





- Cyan (28%)
- Magenta (80%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0281, 0.2763, 0.1446 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 18.0281, 0.2763, 0.1446 by changing the saturation by 10% instead.


 18.0281, 0.2763,
0.1446


 18.0281, 0.2763,
0.1446


241.0294, 0.3011,
0.2313


 10.9702, 0.2684,
0.1258


 40.0852, 0.2867,
0.1742


 6.0468, 0.2573,
0.1036


 55.8532, 0.2902,
0.1859

 2.8735, 0.2415,
0.0778


 75.2932, 0.2930,
0.1961

 1.0661, 0.2179,
0.0490

 98.7898, 0.2952,
0.2050

 0.0000, 0.1858,
0.0000

 126.7274, 0.2971,
0.2128

 0.0000, 0.1267,
0.0000

159.4902, 0.2986,

 0.0000, 0.0000,

0.2197

0.0000

197.4627, 0.2999,
0.2258

■ 18.0281, 0.2763,
0.1446

■ 18.0281, 0.2763,
0.1446

■ 15.8481, 0.2700,
0.1319

■ 21.1812, 0.2826,
0.1619

■ 14.4867, 0.2638,
0.1237

■ 25.4241, 0.2886,
0.1831

■ 14.1388, 0.2619,
0.1216

■ 30.8590, 0.2943,
0.2073

■ 37.5759, 0.2994,
0.2333

■ 45.6556, 0.3038,
0.2601

■ 55.1726, 0.3077,
0.2867

■ 66.1958, 0.3109,
0.3124

■ 78.7895, 0.3135,
0.3367

■ 93.0144, 0.3156,
0.3593

Harmonies

Analogous

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



18.0281, 0.1534, 0.1154



18.0281, 0.2763, 0.1446



18.0281, 0.4630, 0.2044

Triad

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



18.0281, 0.2763, 0.1446



18.0281, 0.5290, 0.4710



18.0281, 0.0817, 0.2726

Complementary

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



18.0281, 0.2763, 0.1446



55.8492, 0.3173, 0.5590

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.



18.0281, 0.1419, 0.5093



18.0281, 0.2763, 0.1446



18.0281, 0.3945, 0.6055

Square

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



18.0281, 0.2763, 0.1446



18.0281, 0.6216, 0.3624



18.0281, 0.2571, 0.6732



18.0281, 0.0712, 0.1564

Rectangle

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



18.0281, 0.2763, 0.1446



18.0281, 0.5763, 0.2548



18.0281, 0.2571, 0.6732



18.0281, 0.0949, 0.3394

Sweetspot

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



18.0288, 0.2763, 0.1446



65.6197, 0.3053, 0.2698



13.7949, 0.1787, 0.1317



13.1004, 0.3038, 0.2600



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.



18.0288, 0.2763, 0.1446



20.0670, 0.2663, 0.1266



21.5292, 0.3783, 0.2035



13.7664, 0.3101, 0.3056



8.2826, 0.2628, 0.1221



0.6136, 0.2722, 0.1273

Inverse Universe

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



19.0825, 0.5215, 0.2934



22.2827, 0.5798, 0.3021



54.9329, 0.2863, 0.5195



13.7526, 0.3256, 0.3236



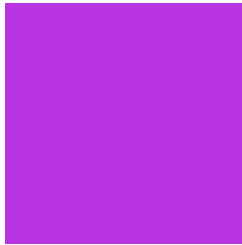
9.3841, 0.5974, 0.3065



0.6642, 0.5539, 0.2825

Previews

White Background



This preview shows how the Yxy color 18.0281, 0.2763, 0.1446 looks on a white background.

Color Contrast Check

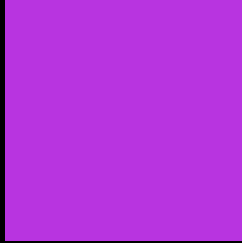
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 18.0281, 0.2763, 0.1446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

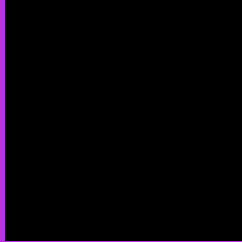
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0281, 0.2763, 0.1446

Background



This preview shows how black text looks on a background with the Yxy color 18.0281, 0.2763, 0.1446.



This preview shows how white text looks on a background with the Yxy color 18.0281, 0.2763, 0.1446.

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

18.0281, 0.2763, 0.1446

Protanopia

18.3855, 0.1739, 0.1460

Deuteranopia

18.3472, 0.1843, 0.1785



Tritanopia

17.9708, 0.4048, 0.3183

Trichromacy



Original Color

18.0281, 0.2763, 0.1446



Protanomaly

14.6736, 0.1814, 0.1264



Deuteranomaly

14.7720, 0.1931, 0.1450



Tritanomaly

16.9072, 0.3527, 0.2336

Monochromacy



Original Color

18.0281, 0.2763, 0.1446



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

14.9826, 0.2985, 0.2258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0281, 0.2763, 0.1446 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(184, 52, 224)` looks like.

```
.text, #text, p{  
    color:rgb(184, 52, 224)  
}
```

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(184, 52, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 52, 224) }
```

Border

The CSS property to change the border of an element to Yxy 18.0281, 0.2763, 0.1446 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(184, 52, 224) }
```

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

```
.border{ border-color:rgb(184, 52, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 52, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 52, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 52, 224);  
box-shadow:4px 4px 4px 4px rgb(184, 52,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0281, 0.2763, 0.1446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 52, 224) }
```

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

```
.background{ background-color: rgb(184, 52,  
224) }
```

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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