

Converting Colors

$Y_{xy}(17.9762, 0.2614, 0.1366)$

Have a look what the booklet for
Yxy(17.9762, 0.2614, 0.1366)
contains.

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Color

Yxy(18.0438, 0.2614, 0.1366)

Conversions

Conversions Part 1

Format	Color
Hex	B236EA
RGB	178, 54, 234
RGB Percent	70%, 21%, 92%
CMY	0.3020, 0.7882, 0.0823
CMYK	0.24, 0.77, 0.00, 0.08
HSL	281°, 81%, 56%
HSV	281°, 77%, 92%
XYZ	34.5289, 18.0438, 79.5195
YIQ	111.5960, 16.1240, 82.2680

Conversions

Conversions Part 2

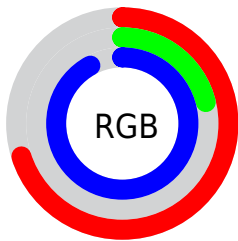
Format	Color
RYB	178, 54, 234
Decimal	11679466
CIELab	49.55, 74.23, -67.09
CIElCh	50, 100.056, 317.890
Yxy	18.0438, 0.2614, 0.1366
Android (android.graphics.Color)	4289869546 (0xFFB236EA)
YUV	111.5960, 60.3452, 58.2363
Hunter-Lab	42.4780, 70.7601, -81.2573

Details

The Yxy color **18.0438, 0.2614, 0.1366** 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 **62.4424, 0.3245, 0.5546**, and the grayscale version is **15.8985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4318, 0.3035, 0.1915**, and **7.0963, 0.2399, 0.1095** is the 20% darker color. If you saturate the color by 10%, you get **15.5254, 0.2530, 0.1225**, and if you desaturate by 10%, it is **21.6561, 0.2699, 0.1554**.

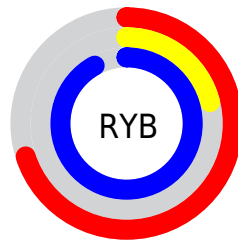
Distribution



Red (70%)

Green (21%)

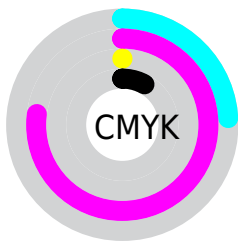
Blue (92%)



Red (70%)

Yellow (21%)

Blue (92%)

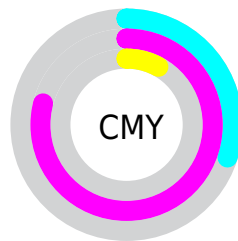


Cyan (24%)

Magenta (77%)

Yellow (0%)

Black (8%)



Cyan (30%)


Magenta (79%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0438, 0.2614, 0.1366 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 18.0438, 0.2614, 0.1366 by changing the saturation by 10% instead.


 18.0438, 0.2614,
0.1366


 18.0438, 0.2614,
0.1366


241.1178, 0.2940,
0.2257


 10.9814, 0.2516,
0.1178


 40.1119, 0.2746,
0.1666


 6.0544, 0.2385,
0.0959


 55.8865, 0.2792,
0.1787


 2.8782, 0.2202,
0.0708


 75.3339, 0.2829,
0.1891

 1.0685, 0.1943,
0.0436

 98.8386, 0.2859,
0.1983

 0.0000, 0.1598,
0.0000

 126.7850, 0.2885,
0.2064

 0.0000, 0.1041,
0.0000

159.5573, 0.2906,

 0.0000, 0.0000,

0.2136

0.0000

197.5402, 0.2924,
0.2200

■ 18.0438, 0.2614,
0.1366

■ 18.0438, 0.2614,
0.1366

■ 15.5254, 0.2530,
0.1225

■ 21.6561, 0.2699,
0.1554

■ 13.9280, 0.2449,
0.1132


■ 26.4935, 0.2783,
0.1782


■ 13.5356, 0.2424,
0.1109

■ 32.6707, 0.2862,
0.2038

■ 40.2881, 0.2933,
0.2310

■ 49.4366, 0.2997,
0.2587

 60.1993, 0.3052,
0.2859

 72.6533, 0.3099,
0.3119

 86.8706, 0.3138,
0.3363

 96.6148, 0.3177,
0.3497

Harmonies

Analogous

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



18.0438, 0.1423, 0.1098



18.0438, 0.2614, 0.1366



18.0438, 0.4517, 0.1948

Triad

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



18.0438, 0.2614, 0.1366



18.0438, 0.5410, 0.4590



18.0438, 0.0787, 0.2843

Complementary

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



18.0438, 0.2614, 0.1366



62.4424, 0.3245, 0.5546

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.



18.0438, 0.1433, 0.5395



18.0438, 0.2614, 0.1366



18.0438, 0.4022, 0.5978

Square

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



18.0438, 0.2614, 0.1366



18.0438, 0.6332, 0.3516



18.0438, 0.2620, 0.6878



18.0438, 0.0661, 0.1569

Rectangle

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



18.0438, 0.2614, 0.1366



18.0438, 0.5741, 0.2451



18.0438, 0.2620, 0.6878



18.0438, 0.0930, 0.3576

Sweetspot

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



18.0445, 0.2614, 0.1366



64.8178, 0.3019, 0.2692



18.0997, 0.1833, 0.1504



12.9045, 0.2998, 0.2592



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.



18.0445, 0.2614, 0.1366



17.6749, 0.2484, 0.1168



24.3540, 0.3586, 0.1907



15.0649, 0.3088, 0.3054



7.6744, 0.2437, 0.1116



0.6532, 0.2546, 0.1176

Inverse Universe

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



21.2631, 0.4996, 0.2790



22.5727, 0.5534, 0.2872



60.3303, 0.2919, 0.5389



15.1313, 0.3244, 0.3217



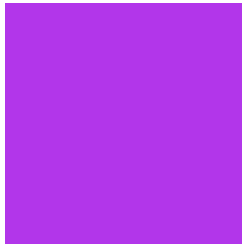
10.1189, 0.5718, 0.2924



0.8113, 0.5326, 0.2707

Previews

White Background



This preview shows how the Yxy color 18.0438, 0.2614, 0.1366 looks on a white background.

Color Contrast Check

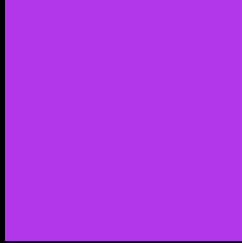
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.0438, 0.2614, 0.1366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

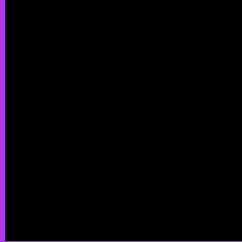
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0438, 0.2614, 0.1366

Background



This preview shows how black text looks on a background with the Yxy color 18.0438, 0.2614, 0.1366.



This preview shows how white text looks on a background with the Yxy color 18.0438, 0.2614, 0.1366.

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

18.0438, 0.2614, 0.1366

Protanopia

18.3855, 0.1739, 0.1460

Deuteranopia

18.1361, 0.1833, 0.1800



Tritanopia

17.8976, 0.3826, 0.3161

Trichromacy



Original Color

18.0438, 0.2614, 0.1366



Protanomaly

14.9512, 0.1801, 0.1256



Deuteranomaly

14.6040, 0.1867, 0.1424



Tritanomaly

16.8629, 0.3313, 0.2263

Monochromacy



Original Color

18.0438, 0.2614, 0.1366



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

15.1167, 0.2911, 0.2212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0438, 0.2614, 0.1366 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(178, 54, 234)` looks like.

```
.text, #text, p{  
  color:rgb(178, 54, 234)  
}
```

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(178, 54, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 54, 234) }
```

Border

The CSS property to change the border of an element to Yxy 18.0438, 0.2614, 0.1366 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(178, 54, 234) }
```

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

```
.border{ border-color:rgb(178, 54, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 54, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 54, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 54, 234);  
box-shadow:4px 4px 4px 4px rgb(178, 54,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0438, 0.2614, 0.1366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 54, 234) }
```

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

```
.background{ background-color: rgb(178, 54,  
234) }
```

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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