

Converting Colors

$Y_{xy}(16.8121, 0.2753, 0.1427)$

Have a look what the booklet for
Yxy(16.8121, 0.2753, 0.1427)
contains.

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Color

Yxy(16.8121, 0.2753, 0.1427)

Conversions

Conversions Part 1

Format	Color
Hex	B330DB
RGB	179, 48, 219
RGB Percent	70%, 19%, 86%
CMY	0.2981, 0.8117, 0.1411
CMYK	0.18, 0.78, 0.00, 0.14
HSL	286°, 70%, 52%
HSV	286°, 78%, 86%
XYZ	32.4343, 16.8121, 68.5679
YIQ	106.6630, 23.1850, 80.9530

Conversions

Conversions Part 2

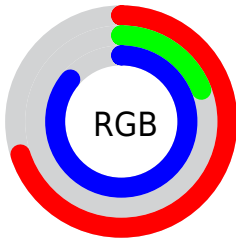
Format	Color
RYB	179, 48, 219
Decimal	11743451
CIELab	48.02, 73.44, -61.05
CIElCh	48, 95.501, 320.267
Yxy	16.8121, 0.2753, 0.1427
Android (android.graphics.Color)	4289933531 (0xFFB330DB)
YUV	106.6630, 55.3821, 63.4395
Hunter-Lab	41.0026, 69.4445, -70.4479

Details

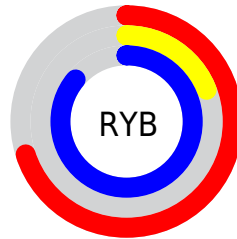
The Yxy color **16.8121, 0.2753, 0.1427** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **52.9639, 0.3170, 0.5616**, and the grayscale version is **14.4454, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.5080, 0.3045, 0.1880**, and **6.7093, 0.2571, 0.1190** is the 20% darker color. If you saturate the color by 10%, you get **14.8423, 0.2690, 0.1305**, and if you desaturate by 10%, it is **19.6893, 0.2816, 0.1595**.

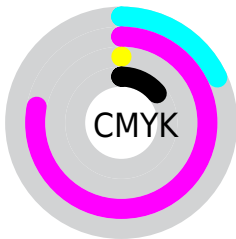
Distribution



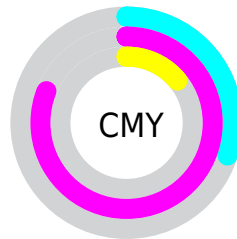
- Red (70%)
- Green (19%)
- Blue (86%)



- Red (70%)
- Yellow (19%)
- Blue (86%)



- Cyan (18%)
- Magenta (78%)
- Yellow (0%)
- Black (14%)





- Cyan (30%)
- Magenta (81%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8121, 0.2753, 0.1427 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 16.8121, 0.2753, 0.1427 by changing the saturation by 10% instead.

 16.8121, 0.2753,
0.1427


 16.8121, 0.2753,
0.1427


234.0872, 0.3009,
0.2311


 10.1006, 0.2670,
0.1234


 38.0024, 0.2861,
0.1730

 5.4657, 0.2554,
0.1007


 53.2501, 0.2897,
0.1850

 2.5230, 0.2386,
0.0743


 72.1119, 0.2926,
0.1953

 0.8881, 0.2135,
0.0450

 94.9722, 0.2949,
0.2043

 0.0000, 0.1781,
0.0000

 122.2156, 0.2968,
0.2123

 0.0000, 0.1108,
0.0000

154.2262, 0.2984,

 0.0000, 0.0000,

0.2193

0.0000

191.3887, 0.2997,
0.2255

■ 16.8121, 0.2753,
0.1427

■ 16.8121, 0.2753,
0.1427

■ 14.8423, 0.2690,
0.1305

■ 19.6893, 0.2816,
0.1595

■ 13.6132, 0.2628,
0.1228

■ 23.5871, 0.2877,
0.1803

■ 13.4139, 0.2617,
0.1215

■ 28.6037, 0.2935,
0.2042

■ 34.8255, 0.2987,
0.2300

■ 42.3300, 0.3032,
0.2567

■ 51.1884, 0.3072,
0.2833

■ 61.4664, 0.3105,
0.3091

■ 73.2255, 0.3132,
0.3336

■ 86.5236, 0.3154,
0.3564

Harmonies

Analogous

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



16.8121, 0.1515, 0.1135



16.8121, 0.2753, 0.1427



16.8121, 0.4648, 0.2027

Triad

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



16.8121, 0.2753, 0.1427



16.8121, 0.5299, 0.4701



16.8121, 0.0795, 0.2715

Complementary

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



16.8121, 0.2753, 0.1427



52.9639, 0.3170, 0.5616

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.



16.8121, 0.1395, 0.5130



16.8121, 0.2753, 0.1427



16.8121, 0.3932, 0.6068

Square

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



16.8121, 0.2753, 0.1427



16.8121, 0.6249, 0.3610



16.8121, 0.2550, 0.6789



16.8121, 0.0693, 0.1544

Rectangle

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



16.8121, 0.2753, 0.1427



16.8121, 0.5799, 0.2533



16.8121, 0.2550, 0.6789



16.8121, 0.0925, 0.3394

Sweetspot

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



16.8128, 0.2753, 0.1427



65.6067, 0.3053, 0.2698



13.1850, 0.1781, 0.1324



13.0972, 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.



16.8128, 0.2753, 0.1427



19.6981, 0.2648, 0.1249



20.3228, 0.3754, 0.2001



13.1133, 0.3101, 0.3057



8.0041, 0.2626, 0.1220



0.5565, 0.2725, 0.1275

Inverse Universe

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



17.8827, 0.5259, 0.2935



22.0703, 0.5856, 0.3037



52.0539, 0.2876, 0.5264



13.1012, 0.3255, 0.3235



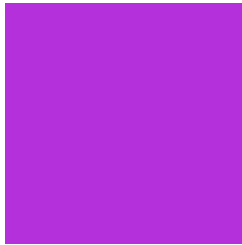
9.0871, 0.5968, 0.3061



0.6021, 0.5504, 0.2806

Previews

White Background



This preview shows how the Yxy color 16.8121, 0.2753, 0.1427 looks on a white background.

Color Contrast Check

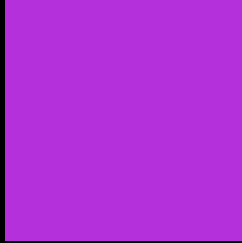
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8121, 0.2753, 0.1427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

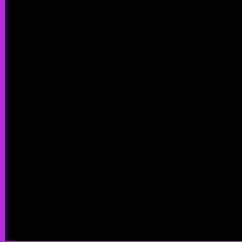
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8121, 0.2753, 0.1427

Background



This preview shows how black text looks on a background with the Yxy color 16.8121, 0.2753, 0.1427.



This preview shows how white text looks on a background with the Yxy color 16.8121, 0.2753, 0.1427.

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

16.8121, 0.2753, 0.1427

Protanopia

17.0351, 0.1739, 0.1461

Deuteranopia

16.9470, 0.1829, 0.1782



Tritanopia

16.6264, 0.4065, 0.3180

Trichromacy



Original Color

16.8121, 0.2753, 0.1427



Protanomaly

13.5416, 0.1812, 0.1253



Deuteranomaly

13.3091, 0.1876, 0.1412



Tritanomaly

15.6462, 0.3524, 0.2313

Monochromacy



Original Color

16.8121, 0.2753, 0.1427



Achromatopsia

14.7027, 0.3127, 0.3290



Achromatomaly

13.7802, 0.2967, 0.2229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8121, 0.2753, 0.1427 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(179, 48, 219)` looks like.

```
.text, #text, p{  
    color:rgb(179, 48, 219)  
}
```

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(179, 48, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 48, 219) }
```

Border

The CSS property to change the border of an element to Yxy 16.8121, 0.2753, 0.1427 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(179, 48, 219) }
```

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

```
.border{ border-color:rgb(179, 48, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 48, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 48, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 48, 219);  
box-shadow:4px 4px 4px 4px rgb(179, 48,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8121, 0.2753, 0.1427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 48, 219) }
```

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

```
.background{ background-color: rgb(179, 48,  
219) }
```

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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