

Converting Colors

$Y_{xy}(16.1189, 0.2621, 0.1332)$

Have a look what the booklet for
Yxy(16.1189, 0.2621, 0.1332)
contains.

Yxy(16.0630, 0.2613, 0.1327)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.0630, 0.2613, 0.1327)

Conversions

Conversions Part 1

Format	Color
Hex	AC2CE2
RGB	172, 44, 226
RGB Percent	67%, 17%, 89%
CMY	0.3257, 0.8271, 0.1139
CMYK	0.24, 0.80, 0.00, 0.11
HSL	282°, 76%, 53%
HSV	282°, 80%, 89%
XYZ	31.6297, 16.0630, 73.3548
YIQ	103.0200, 17.8660, 83.7380

Conversions

Conversions Part 2

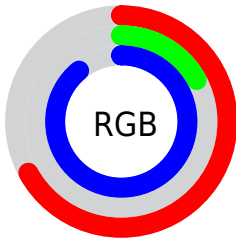
Format	Color
R_{YB}	172, 44, 226
Decimal	11283682
CIE _{Lab}	47.06, 74.69, -66.61
CIE _{LCh}	47, 100.078, 318.273
Yxy	16.0630, 0.2613, 0.1327
Android (android.graphics.Color)	4289473762 (0xFFAC2CE2)
YUV	103.0200, 60.6291, 60.4955
Hunter-Lab	40.0787, 70.7328, -80.4616

Details

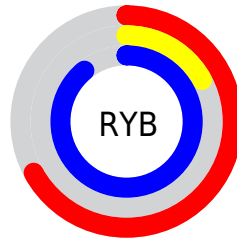
The Yxy color **16.0630, 0.2613, 0.1327** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **57.1550, 0.3219, 0.5628**, and the grayscale version is **13.4143, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.6839, 0.2981, 0.1830**, and **6.3753, 0.2393, 0.1092** is the 20% darker color. If you saturate the color by 10%, you get **14.0699, 0.2533, 0.1205**, and if you desaturate by 10%, it is **19.0113, 0.2694, 0.1497**.

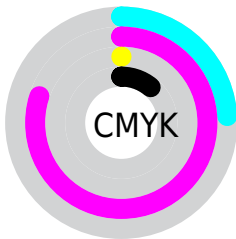
Distribution



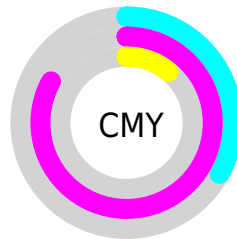
- Red (67%)
- Green (17%)
- Blue (89%)



- Red (67%)
- Yellow (17%)
- Blue (89%)



- Cyan (24%)
- Magenta (80%)
- Yellow (0%)
- Black (11%)




- Cyan (33%)
- Magenta (83%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0630, 0.2613, 0.1327 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 16.0630, 0.2613, 0.1327 by changing the saturation by 10% instead.


 16.0630, 0.2613,
0.1327


 16.0630, 0.2613,
0.1327


229.7132, 0.2946,
0.2247

 9.5687, 0.2511,
0.1131


 36.7075, 0.2750,
0.1639


 5.1140, 0.2371,
0.0904


 51.6266, 0.2797,
0.1763


 2.3143, 0.2175,
0.0646


 70.1228, 0.2835,
0.1871

 0.7813, 0.1895,
0.0369

 92.5803, 0.2865,
0.1965

 0.0000, 0.1506,
0.0000

 119.3838, 0.2891,
0.2049

 0.0000, 0.0837,
0.0000

 150.9175, 0.2913,

 0.0000, 0.0000,

0.2122

0.0000

187.5658, 0.2931,
0.2188

■ 16.0630, 0.2613,
0.1327

■ 16.0630, 0.2613,
0.1327

■ 14.0699, 0.2533,
0.1205

■ 19.0113, 0.2694,
0.1497

■ 12.8458, 0.2461,
0.1129

■ 23.0436, 0.2775,
0.1709

■ 28.2703, 0.2851,
0.1953

■ 34.7873, 0.2921,
0.2218

■ 42.6809, 0.2984,
0.2492

■ 52.0296, 0.3039,
0.2765

■ 62.9058, 0.3086,
0.3029

■ 75.3772, 0.3125,
0.3278

■ 89.5074, 0.3158,
0.3510

Harmonies

Analogous

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



16.0630, 0.1391, 0.1054



16.0630, 0.2613, 0.1327



16.0630, 0.4590, 0.1918

Triad

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



16.0630, 0.2613, 0.1327



16.0630, 0.5413, 0.4587



16.0630, 0.0728, 0.2784

Complementary

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



16.0630, 0.2613, 0.1327



57.1550, 0.3219, 0.5628

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.



16.0630, 0.1356, 0.5454



16.0630, 0.2613, 0.1327



16.0630, 0.3968, 0.6032

Square

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



16.0630, 0.2613, 0.1327



16.0630, 0.6409, 0.3493



16.0630, 0.2542, 0.7014



16.0630, 0.0616, 0.1507

Rectangle

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



16.0630, 0.2613, 0.1327



16.0630, 0.5852, 0.2424



16.0630, 0.2542, 0.7014



16.0630, 0.0864, 0.3539

Sweetspot

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



16.0636, 0.2613, 0.1327



63.6895, 0.3020, 0.2665



14.8854, 0.1780, 0.1380



12.6954, 0.3000, 0.2567



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.



16.0636, 0.2613, 0.1327



17.2769, 0.2479, 0.1147



21.6706, 0.3652, 0.1907



13.7207, 0.3091, 0.3056



7.3957, 0.2472, 0.1136



0.5583, 0.2589, 0.1200

Inverse Universe

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



18.8546, 0.5165, 0.2826



22.0216, 0.5736, 0.2951



55.4941, 0.2911, 0.5440



13.7672, 0.3246, 0.3221



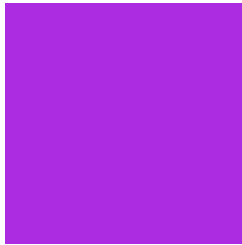
9.4744, 0.5765, 0.2949



0.6721, 0.5323, 0.2706

Previews

White Background



This preview shows how the Yxy color 16.0630, 0.2613, 0.1327 looks on a white background.

Color Contrast Check

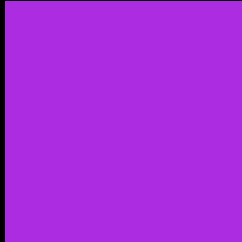
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.0630, 0.2613, 0.1327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

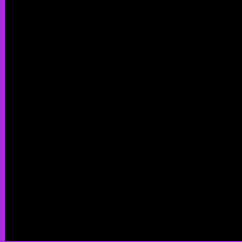
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.0630, 0.2613, 0.1327

Background



This preview shows how black text looks on a background with the Yxy color 16.0630, 0.2613, 0.1327.



This preview shows how white text looks on a background with the Yxy color 16.0630, 0.2613, 0.1327.

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

16.0630, 0.2613, 0.1327

Protanopia

16.3266, 0.1741, 0.1468

Deuteranopia

16.2048, 0.1836, 0.1810



Tritanopia

15.9360, 0.3898, 0.3157

Trichromacy



Original Color

16.0630, 0.2613, 0.1327



Protanomaly

13.0998, 0.1800, 0.1231



Deuteranomaly

12.8050, 0.1866, 0.1394



Tritanomaly

14.7806, 0.3353, 0.2210

Monochromacy



Original Color

16.0630, 0.2613, 0.1327



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

12.7619, 0.2897, 0.2141

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0630, 0.2613, 0.1327 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(172, 44, 226)` looks like.

```
.text, #text, p{  
    color:rgb(172, 44, 226)  
}
```

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(172, 44, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 44, 226) }
```

Border

The CSS property to change the border of an element to Yxy 16.0630, 0.2613, 0.1327 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(172, 44, 226) }
```

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

```
.border{ border-color:rgb(172, 44, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 44, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 44, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 44, 226);  
box-shadow:4px 4px 4px 4px rgb(172, 44,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0630, 0.2613, 0.1327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 44, 226) }
```

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

```
.background{ background-color: rgb(172, 44,  
226) }
```

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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