

Converting Colors

$Y_{xy}(16.3735, 0.3412, 0.2068)$

Have a look what the booklet for
Yxy(16.3735, 0.3412, 0.2068)
contains.

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Color

Yxy(16.3299, 0.3408, 0.2061)

Conversions

Conversions Part 1

Format	Color
Hex	B245A2
RGB	178, 69, 162
RGB Percent	70%, 27%, 64%
CMY	0.3021, 0.7292, 0.3648
CMYK	0.00, 0.61, 0.09, 0.30
HSL	309°, 44%, 48%
HSV	309°, 61%, 70%
XYZ	27.0026, 16.3299, 35.9004
YIQ	112.1930, 35.1110, 52.0310

Conversions

Conversions Part 2

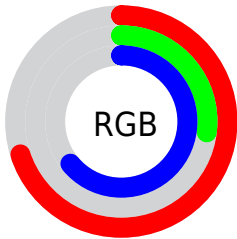
Format	Color
R _Y B	178, 69, 162
Decimal	11683234
CIE Lab	47.40, 55.40, -28.85
CIE LCh	47, 62.462, 332.491
Yxy	16.3299, 0.3408, 0.2061
Android (android.graphics.Color)	4289873314 (0xFFB245A2)
YUV	112.1930, 24.5549, 57.7127
Hunter-Lab	40.4103, 48.5576, -24.3860

Details

The Yxy color **16.3299, 0.3408, 0.2061** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **33.7513, 0.2951, 0.4976**, and the grayscale version is **16.1856, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2579, 0.3363, 0.2306**, and **5.2634, 0.3463, 0.1682** is the 20% darker color. If you saturate the color by 10%, you get **14.3664, 0.3464, 0.1926**, and if you desaturate by 10%, it is **18.9535, 0.3353, 0.2229**.

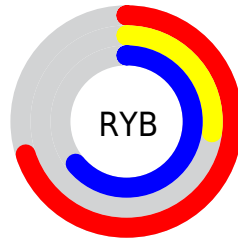
Distribution



Red (70%)

Green (27%)

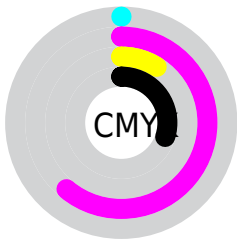
Blue (64%)



Red (70%)

Yellow (27%)

Blue (64%)

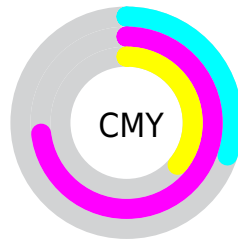


Cyan (0%)

Magenta (61%)

Yellow (9%)

Black (30%)



Cyan (30%)


Magenta (73%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3299, 0.3408, 0.2061 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 16.3299, 0.3408, 0.2061 by changing the saturation by 10% instead.


 16.3299, 0.3408,
0.2061


 16.3299, 0.3408,
0.2061


231.2806, 0.3274,
0.2706


 9.7579, 0.3437,
0.1893


 37.1700, 0.3362,
0.2301


 5.2387, 0.3469,
0.1676


 52.2069, 0.3344,
0.2390

 2.3880, 0.3503,
0.1388


 70.8341, 0.3328,
0.2464

 0.8197, 0.3525,
0.0996

 93.4362, 0.3315,
0.2527

 0.0000, 0.3660,
0.0000

 120.3975, 0.3303,
0.2581

 0.0000, 0.0514,
0.0000

152.1024, 0.3292,

 0.0000, 0.0000,

0.2628

0.0000

188.9353, 0.3283,
0.2670

■ 16.3299, 0.3408,
0.2061

■ 16.3299, 0.3408,
0.2061

■ 14.3664, 0.3464,
0.1926

■ 18.9535, 0.3353,
0.2229

■ 12.9999, 0.3520,
0.1832

■ 22.2882, 0.3300,
0.2422

■ 12.1593, 0.3573,
0.1782

■ 26.3825, 0.3251,
0.2630

■ 11.7230, 0.3617,
0.1766

■ 31.2800, 0.3206,
0.2845

■ 37.0212, 0.3166,
0.3058

■ 43.6436, 0.3131,
0.3266

■ 51.1826, 0.3101,
0.3463

■ 59.6717, 0.3074,
0.3648

■ 69.1425, 0.3052,
0.3820

Harmonies

Analogous

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



16.3299, 0.2284, 0.1698



16.3299, 0.3408, 0.2061



16.3299, 0.4671, 0.2652

Triad

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



16.3299, 0.3408, 0.2061



16.3299, 0.4593, 0.4979



16.3299, 0.1272, 0.2544

Complementary

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



16.3299, 0.3408, 0.2061



33.7513, 0.2951, 0.4976

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.



16.3299, 0.1674, 0.3833



16.3299, 0.3408, 0.2061



16.3299, 0.3578, 0.5577

Square

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



16.3299, 0.3408, 0.2061



16.3299, 0.5318, 0.4141



16.3299, 0.2514, 0.5219



16.3299, 0.1258, 0.1850

Rectangle

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



16.3299, 0.3408, 0.2061



16.3299, 0.5264, 0.3117



16.3299, 0.2514, 0.5219



16.3299, 0.1358, 0.2910

Sweetspot

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



16.3307, 0.3408, 0.2061



59.5994, 0.3194, 0.2907



9.3396, 0.2079, 0.1409



12.5734, 0.3206, 0.2845



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.3307, 0.3408, 0.2061



25.1948, 0.3481, 0.1893



14.8266, 0.4291, 0.2737



8.6249, 0.3159, 0.3098



8.3985, 0.3612, 0.1763



0.2701, 0.3484, 0.1693

Inverse Universe

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



16.3307, 0.3408, 0.2061



25.1948, 0.3481, 0.1893



34.9307, 0.2625, 0.3993



8.6249, 0.3159, 0.3098



8.3985, 0.3612, 0.1763



0.2701, 0.3484, 0.1693

Previews

White Background



This preview shows how the Yxy color 16.3299, 0.3408, 0.2061 looks on a white background.

Color Contrast Check

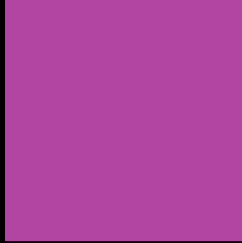
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3299, 0.3408, 0.2061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

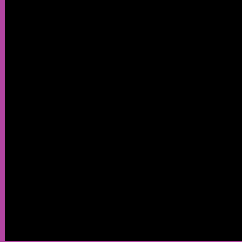
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3299, 0.3408, 0.2061

Background



This preview shows how black text looks on a background with the Yxy color 16.3299, 0.3408, 0.2061.



This preview shows how white text looks on a background with the Yxy color 16.3299, 0.3408, 0.2061.

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

16.3299, 0.3408, 0.2061

Protanopia

16.6389, 0.2049, 0.1845

Deuteranopia

16.6642, 0.2534, 0.2489



Tritanopia

16.2825, 0.4352, 0.3188

Trichromacy



Original Color

16.3299, 0.3408, 0.2061

Protanomaly

15.0899, 0.2376, 0.1846

Deuteranomaly

15.4236, 0.2791, 0.2236

Tritanomaly

16.0679, 0.4007, 0.2722

Monochromacy



Original Color

16.3299, 0.3408, 0.2061

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.2117, 0.3241, 0.2685

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3299, 0.3408, 0.2061 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, 69, 162)` looks like.

```
.text, #text, p{  
    color:rgb(178, 69, 162)  
}
```

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, 69, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 69, 162) }
```

Border

The CSS property to change the border of an element to Yxy 16.3299, 0.3408, 0.2061 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, 69, 162) }
```

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

```
.border{ border-color:rgb(178, 69, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 69, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 69, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 69, 162);  
box-shadow:4px 4px 4px 4px rgb(178, 69,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3299, 0.3408, 0.2061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 69, 162) }
```

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

```
.background{ background-color: rgb(178, 69,  
162) }
```

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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