

Converting Colors

$Y_{xy}(16.5118, 0.2903, 0.1846)$

Have a look what the booklet for
Yxy(16.5118, 0.2903, 0.1846)
contains.

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Color

Yxy(16.5262, 0.2894, 0.1844)

Conversions

Conversions Part 1

Format	Color
Hex	A04FB8
RGB	160, 79, 184
RGB Percent	63%, 31%, 72%
CMY	0.3727, 0.6900, 0.2785
CMYK	0.13, 0.57, 0.00, 0.28
HSL	286°, 42%, 52%
HSV	286°, 57%, 72%
XYZ	25.9365, 16.5262, 47.1588
YIQ	115.1890, 14.5710, 49.8270

Conversions

Conversions Part 2

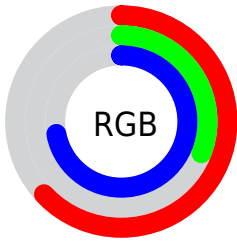
Format	Color
RYB	160, 79, 184
Decimal	10506168
CIELab	47.66, 49.92, -41.57
CIElCh	48, 64.963, 320.220
Yxy	16.5262, 0.2894, 0.1844
Android (android.graphics.Color)	4288696248 (0xFFA04FB8)
YUV	115.1890, 33.9238, 39.2992
Hunter-Lab	40.6524, 42.7421, -40.3226

Details

The Yxy color **16.5262, 0.2894, 0.1844** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **37.7250, 0.3208, 0.5011**, and the grayscale version is **17.0992, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6051, 0.2962, 0.2112**, and **5.3102, 0.2749, 0.1431** is the 20% darker color. If you saturate the color by 10%, you get **13.8019, 0.2836, 0.1633**, and if you desaturate by 10%, it is **20.0011, 0.2948, 0.2083**.

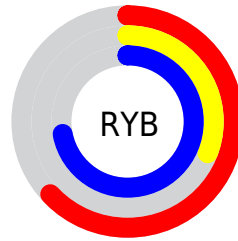
Distribution



Red (63%)

Green (31%)

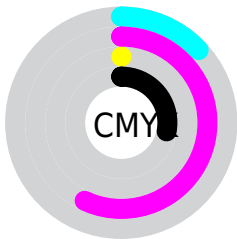
Blue (72%)



Red (63%)

Yellow (31%)

Blue (72%)

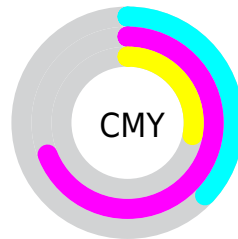


Cyan (13%)

Magenta (57%)

Yellow (0%)

Black (28%)



Cyan (37%)


Magenta (69%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5262, 0.2894, 0.1844 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 16.5262, 0.2894, 0.1844 by changing the saturation by 10% instead.


 16.5262, 0.2894,
0.1844


 16.5262, 0.2894,
0.1844


232.4270, 0.3056,
0.2585

 9.8973, 0.2836,
0.1660


 37.5093, 0.2965,
0.2114


 5.3309, 0.2752,
0.1429


 52.6323, 0.2988,
0.2216


 2.4427, 0.2619,
0.1135


 71.3554, 0.3006,
0.2302

 0.8477, 0.2398,
0.0763

 94.0631, 0.3020,
0.2375

 0.0000, 0.2067,
0.0000

 121.1397, 0.3032,
0.2438

 0.0000, 0.0000,
0.0000

152.9696, 0.3041,

0.2494

189.9373, 0.3049,
0.2542

■ 16.5262, 0.2894,
0.1844

■ 16.5262, 0.2894,
0.1844

■ 13.8019, 0.2836,
0.1633

■ 20.0011, 0.2948,
0.2083

■ 11.7637, 0.2775,
0.1461

■ 24.2798, 0.2998,
0.2340

■ 10.3396, 0.2713,
0.1332

■ 29.4129, 0.3041,
0.2604

■ 9.4276, 0.2653,
0.1247

■ 35.4465, 0.3078,
0.2866

■ 9.1984, 0.2636,
0.1226

■ 42.4231, 0.3109,
0.3119

■ 50.3825, 0.3134,
0.3360

■ 59.3624, 0.3155,
0.3583

■ 69.3983, 0.3171,
0.3789

■ 80.5239, 0.3183,
0.3978

Harmonies

Analogous

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



16.5262, 0.1910, 0.1587



16.5262, 0.2894, 0.1844



16.5262, 0.4211, 0.2362

Triad

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



16.5262, 0.2894, 0.1844



16.5262, 0.4979, 0.4654



16.5262, 0.1335, 0.2985

Complementary

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



16.5262, 0.2894, 0.1844



37.7250, 0.3208, 0.5011

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.



16.5262, 0.1929, 0.4503



16.5262, 0.2894, 0.1844



16.5262, 0.4017, 0.5460

Square

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



16.5262, 0.2894, 0.1844



16.5262, 0.5523, 0.3806



16.5262, 0.2921, 0.5613



16.5262, 0.1177, 0.2027

Rectangle

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



16.5262, 0.2894, 0.1844



16.5262, 0.5002, 0.2807



16.5262, 0.2921, 0.5613



16.5262, 0.1480, 0.3451

Sweetspot

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



16.5269, 0.2894, 0.1844



63.9823, 0.3077, 0.2859



14.9296, 0.2123, 0.1889



13.2981, 0.3070, 0.2808



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



16.5269, 0.2894, 0.1844



24.1504, 0.2823, 0.1594



18.1859, 0.3561, 0.2267



9.0563, 0.3102, 0.3062



6.3739, 0.2643, 0.1230



0.2505, 0.2797, 0.1314

Inverse Universe

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



16.7663, 0.4423, 0.2965



24.9545, 0.4882, 0.2935



36.9986, 0.2882, 0.4633



9.0450, 0.3253, 0.3238



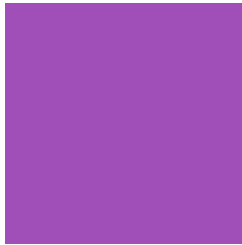
7.1481, 0.5964, 0.3059



0.2617, 0.5234, 0.2657

Previews

White Background



This preview shows how the Yxy color 16.5262, 0.2894, 0.1844 looks on a white background.

Color Contrast Check

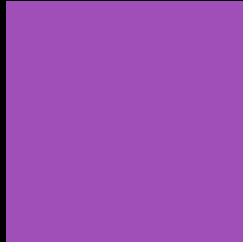
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.5262, 0.2894, 0.1844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

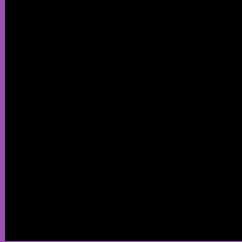
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.5262, 0.2894, 0.1844

Background



This preview shows how black text looks on a background with the Yxy color 16.5262, 0.2894, 0.1844.



This preview shows how white text looks on a background with the Yxy color 16.5262, 0.2894, 0.1844.

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

16.5262, 0.2894, 0.1844

Protanopia

16.9064, 0.1904, 0.1654

Deuteranopia

16.6869, 0.2193, 0.2131



Tritanopia

16.5654, 0.3753, 0.3171

Trichromacy



Original Color

16.5262, 0.2894, 0.1844

Protanomaly

15.6684, 0.2121, 0.1665

Deuteranomaly

15.7908, 0.2382, 0.1972

Tritanomaly

16.1759, 0.3418, 0.2591

Monochromacy



Original Color

16.5262, 0.2894, 0.1844

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.2215, 0.3039, 0.2616

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5262, 0.2894, 0.1844 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(160, 79, 184)` looks like.

```
.text, #text, p{  
    color:rgb(160, 79, 184)  
}
```

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(160, 79, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 79, 184) }
```

Border

The CSS property to change the border of an element to Yxy 16.5262, 0.2894, 0.1844 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(160, 79, 184) }
```

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

```
.border{ border-color:rgb(160, 79, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 79, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(160, 79, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(160, 79, 184); box-shadow:4px 4px 4px 4px rgb(160, 79, 184) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5262, 0.2894, 0.1844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 79, 184) }
```

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

```
.background{ background-color: rgb(160, 79,  
184) }
```

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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