

Converting Colors

$Y_{xy}(15.0960, 0.3212, 0.1975)$

Have a look what the booklet for
Yxy(15.0960, 0.3212, 0.1975)
contains.

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Color

Yxy(15.1676, 0.3216, 0.1982)

Conversions

Conversions Part 1

Format	Color
Hex	A646A4
RGB	166, 70, 164
RGB Percent	65%, 27%, 64%
CMY	0.3491, 0.7254, 0.3569
CMYK	0.00, 0.58, 0.01, 0.35
HSL	301°, 41%, 46%
HSV	301°, 58%, 65%
XYZ	24.6110, 15.1676, 36.7481
YIQ	109.4200, 27.0420, 49.5860

Conversions

Conversions Part 2

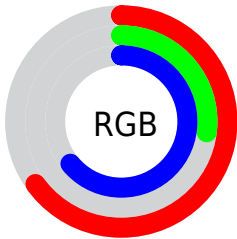
Format	Color
R_{YB}	166, 70, 164
Decimal	10897060
CIE _{Lab}	45.86, 52.04, -32.59
CIE _{LCh}	46, 61.400, 327.944
Yxy	15.1676, 0.3216, 0.1982
Android (android.graphics.Color)	4289087140 (0xFFA646A4)
YUV	109.4200, 26.9079, 49.6207
Hunter-Lab	38.9456, 44.6452, -28.6827

Details

The Yxy color **15.1676, 0.3216, 0.1982** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **29.0321, 0.3030, 0.5077**, and the grayscale version is **15.3375, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9684, 0.3216, 0.2236**, and **4.7013, 0.3186, 0.1568** is the 20% darker color. If you saturate the color by 10%, you get **13.3576, 0.3230, 0.1822**, and if you desaturate by 10%, it is **17.5529, 0.3201, 0.2175**.

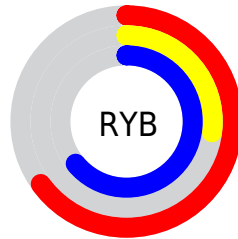
Distribution



Red (65%)

Green (27%)

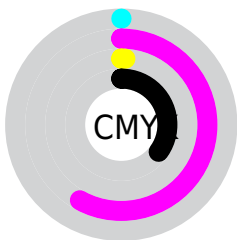
Blue (64%)



Red (65%)

Yellow (27%)

Blue (64%)

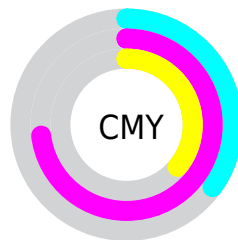


Cyan (0%)

Magenta (58%)

Yellow (1%)

Black (35%)



Cyan (35%)


Magenta (73%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.1676, 0.3216, 0.1982 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 15.1676, 0.3216, 0.1982 by changing the saturation by 10% instead.


 15.1676, 0.3216,
0.1982


 15.1676, 0.3216,
0.1982


224.3784, 0.3194,
0.2671


 8.9371, 0.3211,
0.1803


 35.1469, 0.3215,
0.2239

 4.7002, 0.3195,
0.1572


 49.6645, 0.3212,
0.2334


 2.0724, 0.3156,
0.1267

 67.7133, 0.3209,
0.2413

 0.6491, 0.3069,
0.0837

 89.6777, 0.3206,
0.2480

 0.0000, 0.2914,
0.0000

 115.9419, 0.3203,
0.2538

 0.0000, 0.0000,
0.0000

146.8906, 0.3200,

0.2588

182.9079, 0.3197,
0.2632

■ 15.1676, 0.3216,
0.1982

■ 15.1676, 0.3216,
0.1982

■ 13.3576, 0.3230,
0.1822

■ 17.5529, 0.3201,
0.2175

■ 12.0722, 0.3242,
0.1700

■ 20.5544, 0.3185,
0.2393

■ 11.2556, 0.3251,
0.1621

■ 24.2118, 0.3169,
0.2627

■ 10.8136, 0.3259,
0.1578

■ 28.5608, 0.3154,
0.2868

■ 10.7317, 0.3261,
0.1570

■ 33.6345, 0.3138,
0.3107

■ 39.4640, 0.3124,
0.3340

■ 46.0784, 0.3111,
0.3562

■ 53.5055, 0.3099,
0.3770

■ 61.7714, 0.3088,
0.3963

Harmonies

Analogous

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



15.1676, 0.2143, 0.1658



15.1676, 0.3216, 0.1982



15.1676, 0.4505, 0.2547

Triad

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



15.1676, 0.3216, 0.1982



15.1676, 0.4735, 0.4860



15.1676, 0.1295, 0.2696

Complementary

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



15.1676, 0.3216, 0.1982



29.0321, 0.3030, 0.5077

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.



15.1676, 0.1766, 0.4071



15.1676, 0.3216, 0.1982



15.1676, 0.3740, 0.5543

Square

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



15.1676, 0.3216, 0.1982



15.1676, 0.5396, 0.4017



15.1676, 0.2664, 0.5376



15.1676, 0.1229, 0.1912

Rectangle

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



15.1676, 0.3216, 0.1982



15.1676, 0.5174, 0.3005



15.1676, 0.2664, 0.5376



15.1676, 0.1402, 0.3096

Sweetspot

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



15.1683, 0.3216, 0.1982



52.2740, 0.3153, 0.2879



8.5005, 0.2045, 0.1483



11.3346, 0.3156, 0.2833



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



15.1683, 0.3216, 0.1982



23.5888, 0.3233, 0.1788



13.7586, 0.3976, 0.2594



7.6639, 0.3141, 0.3072



8.3264, 0.3260, 0.1570



0.2034, 0.3242, 0.1560

Inverse Universe

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



15.1683, 0.3216, 0.1982



23.5888, 0.3233, 0.1788



29.9105, 0.2718, 0.4165



7.6639, 0.3141, 0.3072



8.3264, 0.3260, 0.1570



0.2034, 0.3242, 0.1560

Previews

White Background



This preview shows how the Yxy color 15.1676, 0.3216, 0.1982 looks on a white background.

Color Contrast Check

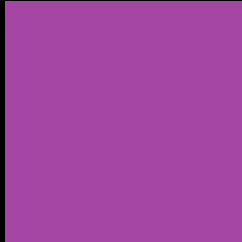
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.1676, 0.3216, 0.1982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

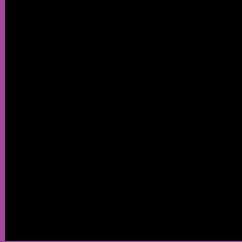
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.1676, 0.3216, 0.1982

Background



This preview shows how black text looks on a background with the Yxy color 15.1676, 0.3216, 0.1982.



This preview shows how white text looks on a background with the Yxy color 15.1676, 0.3216, 0.1982.

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

15.1676, 0.3216, 0.1982

Protanopia

15.4518, 0.1993, 0.1774

Deuteranopia

15.3331, 0.2409, 0.2358



Tritanopia

15.2401, 0.4137, 0.3195

Trichromacy



Original Color

15.1676, 0.3216, 0.1982

Protanomaly

14.1142, 0.2276, 0.1780

Deuteranomaly

14.3950, 0.2647, 0.2139

Tritanomaly

14.9677, 0.3795, 0.2691

Monochromacy



Original Color

15.1676, 0.3216, 0.1982

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

14.5152, 0.3171, 0.2666

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1676, 0.3216, 0.1982 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(166, 70, 164)` looks like.

```
.text, #text, p{  
    color:rgb(166, 70, 164)  
}
```

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(166, 70, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 70, 164) }
```

Border

The CSS property to change the border of an element to Yxy 15.1676, 0.3216, 0.1982 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(166, 70, 164) }
```

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

```
.border{ border-color:rgb(166, 70, 164) }
```

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

Here you see how a box with a 4 pixel rgb(166, 70, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 70, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 70, 164);  
box-shadow:4px 4px 4px 4px rgb(166, 70,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 15.1676, 0.3216, 0.1982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 70, 164) }
```

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

```
.background{ background-color: rgb(166, 70,  
164) }
```

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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