

Converting Colors

$Y_{xy}(16.0936, 0.3099, 0.2016)$

Have a look what the booklet for
Yxy(16.0936, 0.3099, 0.2016)
contains.

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Color

$Y_{xy}(16.1005, 0.3107, 0.2020)$

Conversions

Conversions Part 1

Format	Color
Hex	A24FA8
RGB	162, 79, 168
RGB Percent	64%, 31%, 66%
CMY	0.3647, 0.6902, 0.3412
CMYK	0.04, 0.53, 0.00, 0.34
HSL	296°, 36%, 48%
HSV	296°, 53%, 66%
XYZ	24.7645, 16.1005, 38.8405
YIQ	113.9630, 20.8990, 45.2750

Conversions

Conversions Part 2

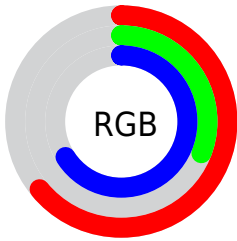
Format	Color
R _{YB}	162, 79, 168
Decimal	10637224
CIE Lab	47.11, 47.34, -33.04
CIE LCh	47, 57.730, 325.090
Yxy	16.1005, 0.3107, 0.2020
Android (android.graphics.Color)	4288827304 (0xFFA24FA8)
YUV	113.9630, 26.6402, 42.1284
Hunter-Lab	40.1254, 39.9466, -29.3035

Details

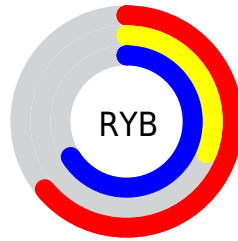
The Yxy color **16.1005, 0.3107, 0.2020** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **30.4941, 0.3093, 0.4925**, and the grayscale version is **16.7300, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.9444, 0.3127, 0.2269**, and **5.1212, 0.3061, 0.1628** is the 20% darker color. If you saturate the color by 10%, you get **13.8589, 0.3097, 0.1828**, and if you desaturate by 10%, it is **18.9569, 0.3115, 0.2240**.

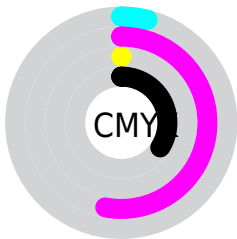
Distribution



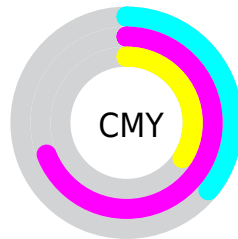
- Red (64%)
- Green (31%)
- Blue (66%)



- Red (64%)
- Yellow (31%)
- Blue (66%)



- Cyan (4%)
- Magenta (53%)
- Yellow (0%)
- Black (34%)





- Cyan (36%)
- Magenta (69%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1005, 0.3107, 0.2020 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 16.1005, 0.3107, 0.2020 by changing the saturation by 10% instead.


 16.1005, 0.3107,
0.2020

 16.1005, 0.3107,
0.2020


229.9340, 0.3144,
0.2687


 9.5953, 0.3085,
0.1847


 36.7726, 0.3129,
0.2268

 5.1315, 0.3048,
0.1623


 51.7083, 0.3134,
0.2360


 2.3246, 0.2981,
0.1328


 70.2229, 0.3138,
0.2437

 0.7867, 0.2849,
0.0929

 92.7009, 0.3141,
0.2502

 0.0000, 0.2664,
0.0000

 119.5266, 0.3142,
0.2558

 0.0000, 0.0000,
0.0000

151.0844, 0.3143,

0.2607

187.7587, 0.3144,
0.2650

■ 16.1005, 0.3107,
0.2020

■ 16.1005, 0.3107,
0.2020

■ 13.8589, 0.3097,
0.1828

■ 18.9569, 0.3115,
0.2240

■ 12.1828, 0.3084,
0.1672

■ 22.4681, 0.3121,
0.2479

■ 11.0191, 0.3070,
0.1557

■ 26.6733, 0.3125,
0.2727

■ 10.3034, 0.3054,
0.1484

■ 31.6079, 0.3127,
0.2976

■ 9.9654, 0.3043,
0.1450

■ 37.3049, 0.3127,
0.3220

■ 43.7953, 0.3126,
0.3452

■ 51.1085, 0.3124,
0.3671

■ 59.2722, 0.3122,
0.3874

■ 68.3130, 0.3118,
0.4061

Harmonies

Analogous

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



16.1005, 0.2135, 0.1735



16.1005, 0.3107, 0.2020



16.1005, 0.4296, 0.2542

Triad

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



16.1005, 0.3107, 0.2020



16.1005, 0.4738, 0.4723



16.1005, 0.1430, 0.2855

Complementary

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



16.1005, 0.3107, 0.2020



30.4941, 0.3093, 0.4925

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.



16.1005, 0.1931, 0.4144



16.1005, 0.3107, 0.2020



16.1005, 0.3833, 0.5351

Square

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



16.1005, 0.3107, 0.2020



16.1005, 0.5284, 0.3942



16.1005, 0.2814, 0.5254



16.1005, 0.1325, 0.2056

Rectangle

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



16.1005, 0.3107, 0.2020



16.1005, 0.4949, 0.2976



16.1005, 0.2814, 0.5254



16.1005, 0.1550, 0.3244

Sweetspot

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



16.1012, 0.3107, 0.2020



54.2426, 0.3127, 0.2894



11.2111, 0.2155, 0.1770



11.4364, 0.3126, 0.2845



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.



16.1012, 0.3107, 0.2020



24.3986, 0.3094, 0.1790



15.5514, 0.3726, 0.2516



7.6406, 0.3127, 0.3067



7.5358, 0.3044, 0.1451



0.1907, 0.3102, 0.1483

Inverse Universe

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



14.5707, 0.4526, 0.3205



21.4018, 0.5061, 0.3197



30.9246, 0.2802, 0.4251



7.5502, 0.3275, 0.3275



6.3083, 0.6309, 0.3249



0.1560, 0.5924, 0.3037

Previews

White Background



This preview shows how the Yxy color 16.1005, 0.3107, 0.2020 looks on a white background.

Color Contrast Check

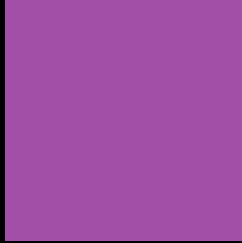
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.1005, 0.3107, 0.2020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

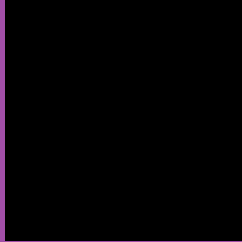
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.1005, 0.3107, 0.2020

Background



This preview shows how black text looks on a background with the Yxy color 16.1005, 0.3107, 0.2020.



This preview shows how white text looks on a background with the Yxy color 16.1005, 0.3107, 0.2020.

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

16.1005, 0.3107, 0.2020

Protanopia

16.3333, 0.2055, 0.1850

Deuteranopia

16.2528, 0.2398, 0.2345



Tritanopia

16.2150, 0.3907, 0.3174

Trichromacy



Original Color

16.1005, 0.3107, 0.2020

Protanomaly

15.3023, 0.2319, 0.1861

Deuteranomaly

15.3859, 0.2605, 0.2167

Tritanomaly

16.0127, 0.3598, 0.2694

Monochromacy



Original Color

16.1005, 0.3107, 0.2020

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

15.8539, 0.3114, 0.2695

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1005, 0.3107, 0.2020 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(162, 79, 168)` looks like.

```
.text, #text, p{  
    color:rgb(162, 79, 168)  
}
```

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(162, 79, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 79, 168) }
```

Border

The CSS property to change the border of an element to Yxy 16.1005, 0.3107, 0.2020 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(162, 79, 168) }
```

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

```
.border{ border-color:rgb(162, 79, 168) }
```

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

Here you see how a box with a 4 pixel rgb(162, 79, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 79, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 79, 168);  
box-shadow:4px 4px 4px 4px rgb(162, 79,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1005, 0.3107, 0.2020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 79, 168) }
```

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

```
.background{ background-color: rgb(162, 79,  
168) }
```

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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