

Converting Colors

$Y_{xy}(18.9107, 0.3461, 0.2481)$

Have a look what the booklet for
Yxy(18.9107, 0.3461, 0.2481)
contains.

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Color

Yxy(18.9781, 0.3461, 0.2477)

Conversions

Conversions Part 1

Format	Color
Hex	AC5E96
RGB	172, 94, 150
RGB Percent	67%, 37%, 59%
CMY	0.3256, 0.6313, 0.4117
CMYK	0.00, 0.45, 0.13, 0.33
HSL	317°, 32%, 52%
HSV	317°, 45%, 67%
XYZ	26.5172, 18.9781, 31.1219
YIQ	123.7060, 28.5120, 33.9520

Conversions

Conversions Part 2

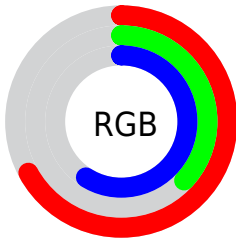
Format	Color
R_{YB}	172, 94, 150
Decimal	11296406
CIE _{Lab}	50.66, 39.38, -16.81
CIE _{LCh}	51, 42.817, 336.883
Yxy	18.9781, 0.3461, 0.2477
Android (android.graphics.Color)	4289486486 (0xFFAC5E96)
YUV	123.7060, 12.9629, 42.3538
Hunter-Lab	43.5639, 32.4159, -11.8620

Details

The Yxy color **18.9781, 0.3461, 0.2477** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **33.1372, 0.2910, 0.4282**, and the grayscale version is **20.0035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5754, 0.3398, 0.2641**, and **6.5538, 0.3579, 0.2208** is the 20% darker color. If you saturate the color by 10%, you get **16.1000, 0.3563, 0.2316**, and if you desaturate by 10%, it is **22.5458, 0.3369, 0.2654**.

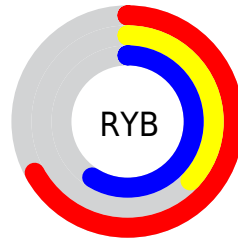
Distribution



Red (67%)

Green (37%)

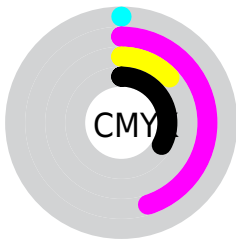
Blue (59%)



Red (67%)

Yellow (37%)

Blue (59%)

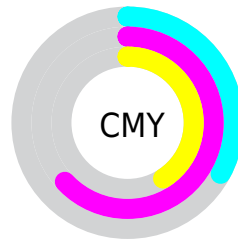


Cyan (0%)

Magenta (45%)

Yellow (13%)

Black (33%)



Cyan (33%)


Magenta (63%)

Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9781, 0.3461, 0.2477 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 18.9781, 0.3461, 0.2477 by changing the saturation by 10% instead.

 18.9781, 0.3461,
0.2477


 18.9781, 0.3461,
0.2477


246.3278, 0.3283,
0.2914


 11.6545, 0.3509,
0.2358


 41.6971, 0.3394,
0.2643

 6.5088, 0.3573,
0.2198


 57.8612, 0.3369,
0.2703

 3.1569, 0.3660,
0.1976

 77.7410, 0.3349,
0.2753

 1.2142, 0.3788,
0.1646

 101.7207, 0.3332,
0.2796

 0.0732, 0.4349,
0.0305

130.1849, 0.3317,
0.2832

 0.0000, 0.0000,
0.0000

163.5179, 0.3304,

0.2863

202.1041, 0.3293,
0.2890

■ 18.9781, 0.3461,
0.2477

■ 18.9781, 0.3461,
0.2477

■ 16.1000, 0.3563,
0.2316

■ 22.5458, 0.3369,
0.2654

■ 13.8631, 0.3673,
0.2180

■ 26.8422, 0.3287,
0.2837

■ 12.2167, 0.3788,
0.2079


■ 31.9064, 0.3217,
0.3021


■ 11.1014, 0.3905,
0.2023


■ 37.7741, 0.3156,
0.3198

■ 10.4427, 0.4019,
0.2013

■ 44.4787, 0.3104,
0.3368

 10.2107, 0.4073,
0.2017

 52.0517, 0.3060,
0.3527

 60.5229, 0.3024,
0.3675

 69.9207, 0.2993,
0.3811

 80.2724, 0.2968,
0.3937

Harmonies

Analogous

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



18.9781, 0.2666, 0.2169



18.9781, 0.3461, 0.2477



18.9781, 0.4245, 0.2952

Triad

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



18.9781, 0.3461, 0.2477



18.9781, 0.4144, 0.4602



18.9781, 0.1782, 0.2744

Complementary

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



18.9781, 0.3461, 0.2477



33.1372, 0.2910, 0.4282

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.



18.9781, 0.2078, 0.3535



18.9781, 0.3461, 0.2477



18.9781, 0.3426, 0.4775

Square

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



18.9781, 0.3461, 0.2477



18.9781, 0.4626, 0.4104



18.9781, 0.2669, 0.4370



18.9781, 0.1791, 0.2258

Rectangle

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



18.9781, 0.3461, 0.2477



18.9781, 0.4594, 0.3324



18.9781, 0.2669, 0.4370



18.9781, 0.1846, 0.2979

Sweetspot

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



18.9790, 0.3461, 0.2477



58.9786, 0.3210, 0.3040



14.6183, 0.2500, 0.1976



12.3666, 0.3223, 0.3002



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



18.9790, 0.3461, 0.2477



29.3851, 0.3559, 0.2321



17.9513, 0.4025, 0.3017



8.1090, 0.3179, 0.3129



7.6106, 0.4062, 0.2011



0.2204, 0.3751, 0.1840

Inverse Universe

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



18.9790, 0.3461, 0.2477



29.3851, 0.3559, 0.2321



34.2024, 0.2647, 0.3595



8.1090, 0.3179, 0.3129



7.6106, 0.4062, 0.2011



0.2204, 0.3751, 0.1840

Previews

White Background



This preview shows how the Yxy color 18.9781, 0.3461, 0.2477 looks on a white background.

Color Contrast Check

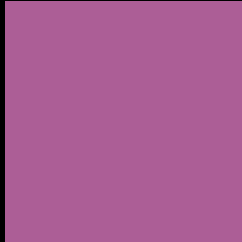
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 18.9781, 0.3461, 0.2477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

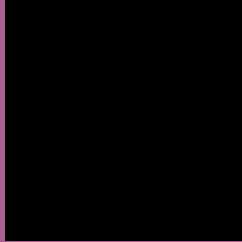
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9781, 0.3461, 0.2477

Background



This preview shows how black text looks on a background with the Yxy color 18.9781, 0.3461, 0.2477.



This preview shows how white text looks on a background with the Yxy color 18.9781, 0.3461, 0.2477.

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

18.9781, 0.3461, 0.2477

Protanopia

19.1224, 0.2494, 0.2420

Deuteranopia

19.0971, 0.2854, 0.2788



Tritanopia

18.9534, 0.3964, 0.3168

Trichromacy



Original Color

18.9781, 0.3461, 0.2477

Protanomaly

18.5063, 0.2787, 0.2421

Deuteranomaly

18.6193, 0.3068, 0.2651

Tritanomaly

18.8394, 0.3767, 0.2893

Monochromacy



Original Color

18.9781, 0.3461, 0.2477

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.1664, 0.3246, 0.2946

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9781, 0.3461, 0.2477 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, 94, 150)` looks like.

```
.text, #text, p{  
    color:rgb(172, 94, 150)  
}
```

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, 94, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 94, 150) }
```

Border

The CSS property to change the border of an element to Yxy 18.9781, 0.3461, 0.2477 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, 94, 150) }
```

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

```
.border{ border-color:rgb(172, 94, 150) }
```

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

Here you see how a box with a 4 pixel rgb(172, 94, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 94, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 94, 150);  
box-shadow:4px 4px 4px 4px rgb(172, 94,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9781, 0.3461, 0.2477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 94, 150) }
```

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

```
.background{ background-color: rgb(172, 94,  
150) }
```

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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