

Converting Colors

$Y_{xy}(18.1210, 0.3165, 0.2493)$

Have a look what the booklet for
Yxy(18.1210, 0.3165, 0.2493)
contains.

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Color

Yxy(18.1210, 0.3165, 0.2493)

Conversions

Conversions Part 1

Format	Color
Hex	976597
RGB	151, 101, 151
RGB Percent	59%, 40%, 59%
CMY	0.4077, 0.6040, 0.4079
CMYK	0.00, 0.33, 0.00, 0.41
HSL	300°, 20%, 49%
HSV	300°, 33%, 59%
XYZ	23.0056, 18.1210, 31.5609
YIQ	121.6500, 13.7500, 26.1500

Conversions

Conversions Part 2

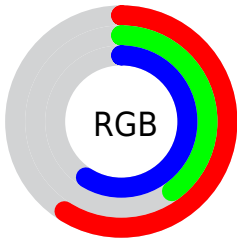
Format	Color
R_{YB}	151, 101, 151
Decimal	9921943
CIE _{Lab}	49.64, 28.66, -19.18
CIE _{LCh}	50, 34.489, 326.204
Yxy	18.1210, 0.3165, 0.2493
Android (android.graphics.Color)	4288112023 (0xFF976597)
YUV	121.6500, 14.4695, 25.7399
Hunter-Lab	42.5688, 21.9721, -14.1601

Details

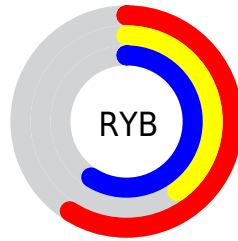
The Yxy color **18.1210, 0.3165, 0.2493** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **25.8489, 0.3082, 0.4241**, and the grayscale version is **19.2914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.3121, 0.3166, 0.2666**, and **6.1190, 0.3157, 0.2216** is the 20% darker color. If you saturate the color by 10%, you get **15.4536, 0.3176, 0.2265**, and if you desaturate by 10%, it is **21.3289, 0.3154, 0.2733**.

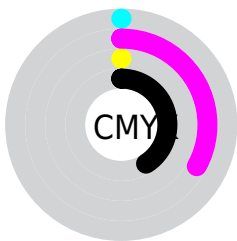
Distribution



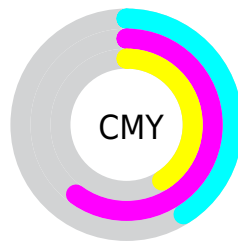
- Red (59%)
- Green (40%)
- Blue (59%)



- Red (59%)
- Yellow (40%)
- Blue (59%)



- Cyan (0%)
- Magenta (33%)
- Yellow (0%)
- Black (41%)





- Cyan (41%)
- Magenta (60%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1210, 0.3165, 0.2493 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 18.1210, 0.3165, 0.2493 by changing the saturation by 10% instead.


 18.1210, 0.3165,
0.2493


 18.1210, 0.3165,
0.2493


241.5522, 0.3154,
0.2927


 11.0369, 0.3164,
0.2373


 40.2434, 0.3163,
0.2659


 6.0917, 0.3159,
0.2210


 56.0505, 0.3162,
0.2719

 2.9009, 0.3146,
0.1981

 75.5340, 0.3160,
0.2769

 1.0802, 0.3107,
0.1637

 99.0784, 0.3159,
0.2810

 0.0000, 0.3310,
0.0000

127.0680, 0.3157,
0.2846

 0.0000, 0.0000,
0.0000

159.8872, 0.3156,

0.2876

197.9205, 0.3155,
0.2903

■ 18.1210, 0.3165,
0.2493

■ 18.1210, 0.3165,
0.2493

■ 15.4536, 0.3176,
0.2265

■ 21.3289, 0.3154,
0.2733

■ 13.2947, 0.3186,
0.2057

■ 25.1023, 0.3142,
0.2977

■ 11.6129, 0.3194,
0.1878


■ 29.4674, 0.3131,
0.3216

■ 10.3719, 0.3201,
0.1736


■ 34.4481, 0.3120,
0.3448


■ 9.5304, 0.3206,
0.1633

■ 40.0671, 0.3109,
0.3666


 9.0395, 0.3209,
0.1571

 46.3456, 0.3100,
0.3870

 8.8141, 0.3211,
0.1542

 53.3043, 0.3091,
0.4058

 60.9627, 0.3083,
0.4230

 69.3395, 0.3075,
0.4386

Harmonies

Analogous

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



18.1210, 0.2551, 0.2293



18.1210, 0.3165, 0.2493



18.1210, 0.3835, 0.2859

Triad

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



18.1210, 0.3165, 0.2493



18.1210, 0.4160, 0.4272



18.1210, 0.2059, 0.3066

Complementary

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



18.1210, 0.3165, 0.2493



25.8489, 0.3082, 0.4241

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.



18.1210, 0.2414, 0.3748



18.1210, 0.3165, 0.2493



18.1210, 0.3622, 0.4499

Square

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



18.1210, 0.3165, 0.2493



18.1210, 0.4433, 0.3830



18.1210, 0.2982, 0.4322



18.1210, 0.1968, 0.2555

Rectangle

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



18.1210, 0.3165, 0.2493



18.1210, 0.4194, 0.3166



18.1210, 0.2982, 0.4322



18.1210, 0.2149, 0.3284

Sweetspot

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



18.1218, 0.3165, 0.2493



47.1154, 0.3139, 0.3048



14.3069, 0.2552, 0.2340



10.4876, 0.3140, 0.3016



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



18.1218, 0.3165, 0.2493



28.6939, 0.3173, 0.2316



17.3942, 0.3498, 0.2872



6.3236, 0.3138, 0.3071



7.4952, 0.3211, 0.1542



0.1121, 0.3210, 0.1542

Inverse Universe

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



18.1218, 0.3165, 0.2493



28.6939, 0.3173, 0.2316



26.4154, 0.2870, 0.3752



6.3236, 0.3138, 0.3071



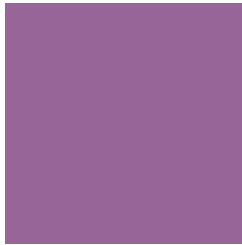
7.4952, 0.3211, 0.1542



0.1121, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 18.1210, 0.3165, 0.2493 looks on a white background.

Color Contrast Check

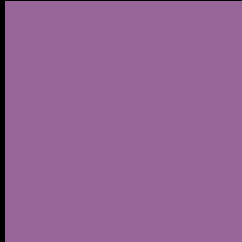
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.1210, 0.3165, 0.2493 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 18.1210, 0.3165, 0.2493

Background



This preview shows how black text looks on a background with the Yxy color 18.1210, 0.3165, 0.2493.



This preview shows how white text looks on a background with the Yxy color 18.1210, 0.3165, 0.2493.

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

18.1210, 0.3165, 0.2493

Protanopia

18.3702, 0.2527, 0.2470

Deuteranopia

18.2737, 0.2765, 0.2707



Tritanopia

18.0971, 0.3548, 0.3152

Trichromacy



Original Color

18.1210, 0.3165, 0.2493

Protanomaly

18.0097, 0.2728, 0.2460

Deuteranomaly

18.1280, 0.2899, 0.2627

Tritanomaly

17.9840, 0.3405, 0.2885

Monochromacy



Original Color

18.1210, 0.3165, 0.2493

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

18.7146, 0.3143, 0.2952

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1210, 0.3165, 0.2493 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(151, 101, 151)` looks like.

```
.text, #text, p{  
    color:rgb(151, 101, 151)  
}
```

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(151, 101, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 101, 151) }
```

Border

The CSS property to change the border of an element to Yxy 18.1210, 0.3165, 0.2493 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(151, 101, 151) }
```

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

```
.border{ border-color:rgb(151, 101, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 101, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 101, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 101, 151);  
box-shadow:4px 4px 4px 4px rgb(151, 101,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1210, 0.3165, 0.2493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 101, 151) }
```

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

```
.background{ background-color: rgb(151,  
101, 151) }
```

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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