

Converting Colors

$Y_{xy}(18.6156, 0.3273, 0.2346)$

Have a look what the booklet for
Yxy(18.6156, 0.3273, 0.2346)
contains.

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Color

Yxy(18.5810, 0.3276, 0.2351)

Conversions

Conversions Part 1

Format	Color
Hex	A65E9E
RGB	166, 94, 158
RGB Percent	65%, 37%, 62%
CMY	0.3492, 0.6312, 0.3805
CMYK	0.00, 0.43, 0.05, 0.35
HSL	307°, 29%, 51%
HSV	307°, 43%, 65%
XYZ	25.8917, 18.5810, 34.5618
YIQ	122.8240, 22.3680, 35.1680

Conversions

Conversions Part 2

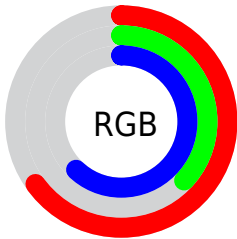
Format	Color
R_{YB}	166, 94, 158
Decimal	10903198
CIE _{Lab}	50.19, 38.81, -22.30
CIE _{LCh}	50, 44.760, 330.113
Yxy	18.5810, 0.3276, 0.2351
Android (android.graphics.Color)	4289093278 (0xFFA65E9E)
YUV	122.8240, 17.3418, 37.8654
Hunter-Lab	43.1057, 31.7821, -17.3642

Details

The Yxy color **18.5810, 0.3276, 0.2351** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **30.5968, 0.3008, 0.4458**, and the grayscale version is **19.6842, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8915, 0.3248, 0.2534**, and **6.2867, 0.3308, 0.2042** is the 20% darker color. If you saturate the color by 10%, you get **15.8768, 0.3318, 0.2158**, and if you desaturate by 10%, it is **21.9224, 0.3236, 0.2562**.

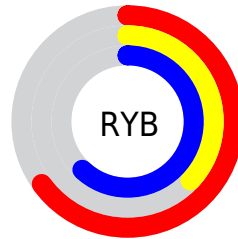
Distribution



Red (65%)

Green (37%)

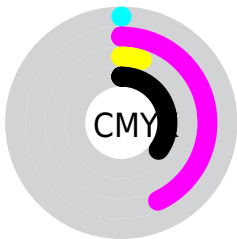
Blue (62%)



Red (65%)

Yellow (37%)

Blue (62%)

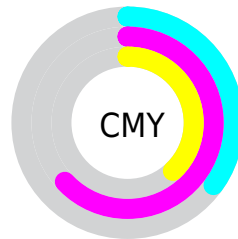


Cyan (0%)

Magenta (43%)

Yellow (5%)

Black (35%)



Cyan (35%)


Magenta (63%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5810, 0.3276, 0.2351 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 18.5810, 0.3276, 0.2351 by changing the saturation by 10% instead.


 18.5810, 0.3276,
0.2351


 18.5810, 0.3276,
0.2351


244.1258, 0.3207,
0.2852


 11.3679, 0.3290,
0.2217


 41.0249, 0.3253,
0.2540


 6.3149, 0.3306,
0.2039


 57.0245, 0.3243,
0.2609

 3.0375, 0.3320,
0.1794

 76.7217, 0.3235,
0.2666

 1.1513, 0.3325,
0.1442

 100.5009, 0.3228,
0.2715

 0.0214, 0.3582,
0.0079

128.7465, 0.3222,
0.2756

 0.0000, 0.0000,
0.0000

161.8429, 0.3216,

0.2792

200.1746, 0.3211,
0.2824

■ 18.5810, 0.3276,
0.2351

■ 18.5810, 0.3276,
0.2351

■ 15.8768, 0.3318,
0.2158

■ 21.9224, 0.3236,
0.2562

■ 13.7662, 0.3361,
0.1991

■ 25.9360, 0.3200,
0.2782

■ 12.2043, 0.3403,
0.1860

■ 30.6570, 0.3166,
0.3003

■ 11.1385, 0.3444,
0.1770

■ 36.1176, 0.3136,
0.3220

■ 10.5059, 0.3483,
0.1722

■ 42.3481, 0.3110,
0.3427

■ 10.2263, 0.3507,
0.1706

■ 49.3768, 0.3087,
0.3622

■ 57.2308, 0.3067,
0.3804

■ 65.9358, 0.3050,
0.3972

■ 75.5166, 0.3036,
0.4125

Harmonies

Analogous

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



18.5810, 0.2481, 0.2080



18.5810, 0.3276, 0.2351



18.5810, 0.4136, 0.2811

Triad

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



18.5810, 0.3276, 0.2351



18.5810, 0.4328, 0.4558



18.5810, 0.1763, 0.2874

Complementary

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



18.5810, 0.3276, 0.2351



30.5968, 0.3008, 0.4458

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.



18.5810, 0.2141, 0.3758



18.5810, 0.3276, 0.2351



18.5810, 0.3613, 0.4861

Square

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



18.5810, 0.3276, 0.2351



18.5810, 0.4757, 0.3993



18.5810, 0.2812, 0.4587



18.5810, 0.1706, 0.2291

Rectangle

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



18.5810, 0.3276, 0.2351



18.5810, 0.4571, 0.3184



18.5810, 0.2812, 0.4587



18.5810, 0.1853, 0.3144

Sweetspot

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



18.5818, 0.3276, 0.2351



55.7610, 0.3166, 0.3005



13.5431, 0.2407, 0.2003



12.0417, 0.3173, 0.2958



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.



18.5818, 0.3276, 0.2351



28.9941, 0.3316, 0.2164



17.5389, 0.3777, 0.2845



7.6521, 0.3154, 0.3092



7.9391, 0.3504, 0.1704



0.1971, 0.3395, 0.1644

Inverse Universe

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



18.5818, 0.3276, 0.2351



28.9941, 0.3316, 0.2164



31.4489, 0.2750, 0.3797



7.6521, 0.3154, 0.3092



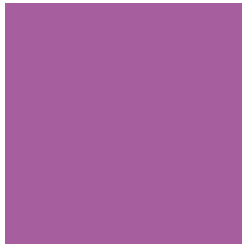
7.9391, 0.3504, 0.1704



0.1971, 0.3395, 0.1644

Previews

White Background



This preview shows how the Yxy color 18.5810, 0.3276, 0.2351 looks on a white background.

Color Contrast Check

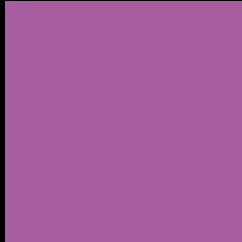
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5810, 0.3276, 0.2351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

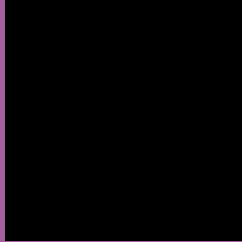
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.5810, 0.3276, 0.2351

Background



This preview shows how black text looks on a background with the Yxy color 18.5810, 0.3276, 0.2351.



This preview shows how white text looks on a background with the Yxy color 18.5810, 0.3276, 0.2351.

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

18.5810, 0.3276, 0.2351

Protanopia

18.8405, 0.2378, 0.2278

Deuteranopia

18.8674, 0.2699, 0.2646



Tritanopia

18.5441, 0.3815, 0.3162

Trichromacy



Original Color

18.5810, 0.3276, 0.2351

Protanomaly

18.1246, 0.2643, 0.2278

Deuteranomaly

18.2904, 0.2893, 0.2513

Tritanomaly

18.3807, 0.3610, 0.2833

Monochromacy



Original Color

18.5810, 0.3276, 0.2351

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

18.8549, 0.3185, 0.2875

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5810, 0.3276, 0.2351 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, 94, 158)` looks like.

```
.text, #text, p{  
    color:rgb(166, 94, 158)  
}
```

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, 94, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 94, 158) }
```

Border

The CSS property to change the border of an element to Yxy 18.5810, 0.3276, 0.2351 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, 94, 158) }
```

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

```
.border{ border-color:rgb(166, 94, 158) }
```

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

Here you see how a box with a 4 pixel rgb(166, 94, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 94, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 94, 158);  
box-shadow:4px 4px 4px 4px rgb(166, 94,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5810, 0.3276, 0.2351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 94, 158) }
```

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

```
.background{ background-color: rgb(166, 94,  
158) }
```

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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