

Converting Colors

$Yxy(18.0763, 0.2968, 0.1958)$

Have a look what the booklet for
Yxy(18.0763, 0.2968, 0.1958)
contains.

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Color

Yxy(18.0738, 0.2967, 0.1958)

Conversions

Conversions Part 1

Format	Color
Hex	A556B7
RGB	165, 86, 183
RGB Percent	65%, 34%, 72%
CMY	0.3531, 0.6627, 0.2823
CMYK	0.10, 0.53, 0.00, 0.28
HSL	289°, 40%, 53%
HSV	289°, 53%, 72%
XYZ	27.3876, 18.0738, 46.8460
YIQ	120.6790, 15.9470, 46.9150

Conversions

Conversions Part 2

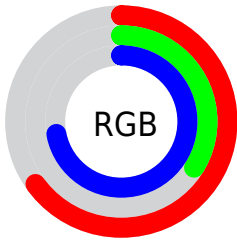
Format	Color
R _Y B	165, 86, 183
Decimal	10835639
CIE Lab	49.59, 47.55, -37.91
CIE LCh	50, 60.813, 321.440
Yxy	18.0738, 0.2967, 0.1958
Android (android.graphics.Color)	4289025719 (0xFFA556B7)
YUV	120.6790, 30.7243, 38.8695
Hunter-Lab	42.5133, 40.5938, -35.5732

Details

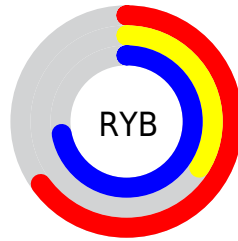
The Yxy color $18.0738, 0.2967, 0.1958$ is a dark color, and the websafe version is hex `9966CC`. A complement of this color would be $37.4866, 0.3177, 0.4895$, and the grayscale version is $18.9086, 0.3127, 0.3290$.

A 20% lighter version of the original color is $40.2268, 0.3024, 0.2214$, and $6.1085, 0.2876, 0.1584$ is the 20% darker color. If you saturate the color by 10%, you get $15.1561, 0.2922, 0.1743$, and if you desaturate by 10%, it is $21.7508, 0.3008, 0.2198$.

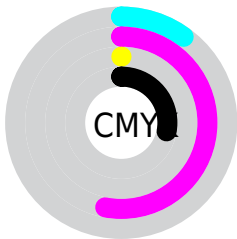
Distribution



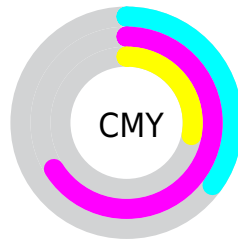
- Red (65%)
- Green (34%)
- Blue (72%)



- Red (65%)
- Yellow (34%)
- Blue (72%)



- Cyan (10%)
- Magenta (53%)
- Yellow (0%)
- Black (28%)





- Cyan (35%)
- Magenta (66%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0738, 0.2967, 0.1958 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 18.0738, 0.2967, 0.1958 by changing the saturation by 10% instead.


 18.0738, 0.2967,
0.1958


 18.0738, 0.2967,
0.1958


241.2867, 0.3083,
0.2641


 11.0030, 0.2924,
0.1787


 40.1630, 0.3019,
0.2208


 6.0688, 0.2860,
0.1571


 55.9503, 0.3036,
0.2301

 2.8870, 0.2758,
0.1291


 75.4117, 0.3048,
0.2380

 1.0730, 0.2584,
0.0927

 98.9318, 0.3058,
0.2448

 0.0000, 0.2369,
0.0000

 126.8950, 0.3066,
0.2506

 0.0000, 0.0426,
0.0000

159.6856, 0.3073,

 0.0000, 0.0000,

0.2557

0.0000

197.6880, 0.3079,
0.2602

■ 18.0738, 0.2967,
0.1958

■ 18.0738, 0.2967,
0.1958

■ 15.1561, 0.2922,
0.1743

■ 21.7508, 0.3008,
0.2198

■ 12.9372, 0.2875,
0.1563

■ 26.2371, 0.3044,
0.2454

■ 11.3506, 0.2826,
0.1425

■ 31.5811, 0.3075,
0.2714

■ 10.3163, 0.2777,
0.1331

■ 37.8264, 0.3101,
0.2971

■ 9.8064, 0.2743,
0.1285

■ 45.0141, 0.3122,
0.3218

■ 53.1823, 0.3139,
0.3452

■ 62.3674, 0.3152,
0.3670

■ 72.6035, 0.3162,
0.3870

■ 83.9235, 0.3169,
0.4053

Harmonies

Analogous

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



18.0738, 0.2031, 0.1703



18.0738, 0.2967, 0.1958



18.0738, 0.4168, 0.2459

Triad

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



18.0738, 0.2967, 0.1958



18.0738, 0.4845, 0.4637



18.0738, 0.1451, 0.2984

Complementary

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



18.0738, 0.2967, 0.1958



37.4866, 0.3177, 0.4895

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.



18.0738, 0.2006, 0.4326



18.0738, 0.2967, 0.1958



18.0738, 0.3956, 0.5322

Square

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



18.0738, 0.2967, 0.1958



18.0738, 0.5336, 0.3849



18.0738, 0.2930, 0.5357



18.0738, 0.1302, 0.2110

Rectangle

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



18.0738, 0.2967, 0.1958



18.0738, 0.4872, 0.2887



18.0738, 0.2930, 0.5357



18.0738, 0.1587, 0.3398

Sweetspot

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



18.0746, 0.2967, 0.1958



63.9037, 0.3093, 0.2888



15.5873, 0.2186, 0.1949



13.6031, 0.3087, 0.2835



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



18.0746, 0.2967, 0.1958



26.2244, 0.2913, 0.1703



19.0569, 0.3566, 0.2369



9.0761, 0.3109, 0.3063



6.8687, 0.2749, 0.1288



0.2643, 0.2875, 0.1357

Inverse Universe

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



17.7275, 0.4351, 0.3042



25.7921, 0.4818, 0.3011



37.0881, 0.2872, 0.4462



9.0388, 0.3259, 0.3248



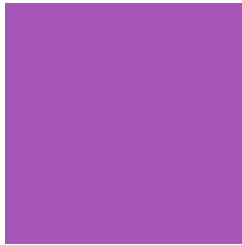
7.1114, 0.6084, 0.3125



0.2590, 0.5409, 0.2753

Previews

White Background



This preview shows how the Yxy color 18.0738, 0.2967, 0.1958 looks on a white background.

Color Contrast Check

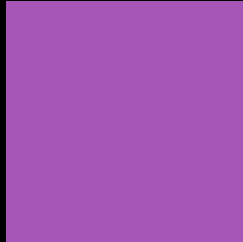
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.0738, 0.2967, 0.1958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

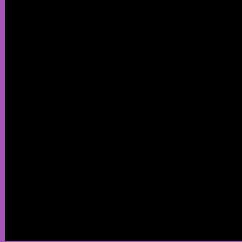
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0738, 0.2967, 0.1958

Background



This preview shows how black text looks on a background with the Yxy color 18.0738, 0.2967, 0.1958.



This preview shows how white text looks on a background with the Yxy color 18.0738, 0.2967, 0.1958.

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

18.0738, 0.2967, 0.1958

Protanopia

18.3705, 0.2011, 0.1794

Deuteranopia

18.3553, 0.2305, 0.2260



Tritanopia

18.0390, 0.3746, 0.3158

Trichromacy



Original Color

18.0738, 0.2967, 0.1958

Protanomaly

17.1966, 0.2246, 0.1801

Deuteranomaly

17.4143, 0.2499, 0.2096

Tritanomaly

17.7553, 0.3448, 0.2643

Monochromacy



Original Color

18.0738, 0.2967, 0.1958

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.0571, 0.3066, 0.2673

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0738, 0.2967, 0.1958 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(165, 86, 183)` looks like.

```
.text, #text, p{  
    color:rgb(165, 86, 183)  
}
```

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(165, 86, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 86, 183) }
```

Border

The CSS property to change the border of an element to Yxy 18.0738, 0.2967, 0.1958 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(165, 86, 183) }
```

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

```
.border{ border-color:rgb(165, 86, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 86, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 86, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 86, 183);  
box-shadow:4px 4px 4px 4px rgb(165, 86,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0738, 0.2967, 0.1958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 86, 183) }
```

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

```
.background{ background-color: rgb(165, 86,  
183) }
```

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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