

Converting Colors

$Y_{xy}(18.6736, 0.2947, 0.2050)$

Have a look what the booklet for
Yxy(18.6736, 0.2947, 0.2050)
contains.

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Color

Yxy(18.7011, 0.2953, 0.2057)

Conversions

Conversions Part 1

Format	Color
Hex	A15DB4
RGB	161, 93, 180
RGB Percent	63%, 36%, 71%
CMY	0.3687, 0.6352, 0.2942
CMYK	0.11, 0.48, 0.00, 0.29
HSL	287°, 37%, 54%
HSV	287°, 48%, 71%
XYZ	26.8470, 18.7011, 45.3663
YIQ	123.2500, 12.6010, 41.4730

Conversions

Conversions Part 2

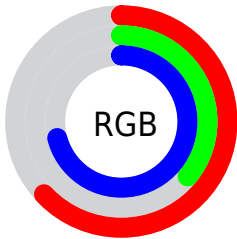
Format	Color
R_{YB}	161, 93, 180
Decimal	10575284
CIE _{Lab}	50.34, 42.13, -35.01
CIE _{LCh}	50, 54.778, 320.278
Yxy	18.7011, 0.2953, 0.2057
Android (android.graphics.Color)	4288765364 (0xFFA15DB4)
YUV	123.2500, 27.9778, 33.1068
Hunter-Lab	43.2448, 35.1373, -31.9274

Details

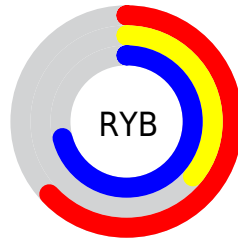
The Yxy color **18.7011, 0.2953, 0.2057** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **36.8727, 0.3202, 0.4727**, and the grayscale version is **19.7979, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.0586, 0.3004, 0.2289**, and **6.3859, 0.2839, 0.1685** is the 20% darker color. If you saturate the color by 10%, you get **15.5029, 0.2901, 0.1823**, and if you desaturate by 10%, it is **22.6573, 0.3000, 0.2310**.

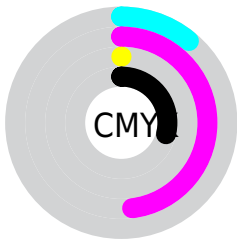
Distribution



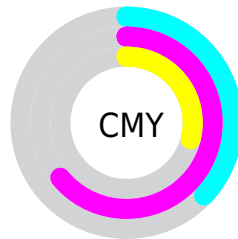
- Red (63%)
- Green (36%)
- Blue (71%)



- Red (63%)
- Yellow (36%)
- Blue (71%)



- Cyan (11%)
- Magenta (48%)
- Yellow (0%)
- Black (29%)





- Cyan (37%)
- Magenta (64%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.7011, 0.2953, 0.2057 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 18.7011, 0.2953, 0.2057 by changing the saturation by 10% instead.


 18.7011, 0.2953,
0.2057


 18.7011, 0.2953,
0.2057


244.7937, 0.3073,
0.2695


 11.4545, 0.2911,
0.1895


 41.2284, 0.3005,
0.2292


 6.3734, 0.2848,
0.1687


 57.2779, 0.3022,
0.2379

 3.0734, 0.2749,
0.1415


 77.0305, 0.3035,
0.2453

 1.1702, 0.2580,
0.1053

 100.8706, 0.3046,
0.2516

 0.0372, 0.2381,
0.0082

129.1826, 0.3055,
0.2570

 0.0000, 0.0087,
0.0000

162.3508, 0.3062,

 0.0000, 0.0000,

0.2617

0.0000

200.7597, 0.3068,
0.2658

■ 18.7011, 0.2953,
0.2057

■ 18.7011, 0.2953,
0.2057

■ 15.5029, 0.2901,
0.1823

■ 22.6573, 0.3000,
0.2310

■ 13.0071, 0.2845,
0.1619

■ 27.4171, 0.3041,
0.2572

■ 11.1547, 0.2787,
0.1453


■ 33.0251, 0.3077,
0.2834


■ 9.8752, 0.2729,
0.1332


■ 39.5221, 0.3107,
0.3088

■ 9.0518, 0.2672,
0.1253

■ 46.9461, 0.3131,
0.3330

 8.9283, 0.2663,
0.1240

 55.3330, 0.3150,
0.3555

 64.7167, 0.3166,
0.3764

 75.1294, 0.3178,
0.3954

 86.6004, 0.3186,
0.4127

Harmonies

Analogous

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



18.7011, 0.2108, 0.1829



18.7011, 0.2953, 0.2057



18.7011, 0.4021, 0.2518

Triad

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



18.7011, 0.2953, 0.2057



18.7011, 0.4741, 0.4533



18.7011, 0.1614, 0.3076

Complementary

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



18.7011, 0.2953, 0.2057



36.8727, 0.3202, 0.4727

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.



18.7011, 0.2156, 0.4250



18.7011, 0.2953, 0.2057



18.7011, 0.3956, 0.5114

Square

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



18.7011, 0.2953, 0.2057



18.7011, 0.5133, 0.3819



18.7011, 0.3017, 0.5120



18.7011, 0.1449, 0.2256

Rectangle

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



18.7011, 0.2953, 0.2057



18.7011, 0.4654, 0.2917



18.7011, 0.3017, 0.5120



18.7011, 0.1751, 0.3448

Sweetspot

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



18.7019, 0.2953, 0.2057



64.5018, 0.3090, 0.2939



17.5020, 0.2286, 0.2141



13.4143, 0.3083, 0.2884



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



18.7019, 0.2953, 0.2057



27.7719, 0.2897, 0.1808



19.9603, 0.3474, 0.2408



8.5512, 0.3104, 0.3063



6.2628, 0.2669, 0.1244



0.2203, 0.2829, 0.1332

Inverse Universe

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



18.7032, 0.4142, 0.3019



27.9947, 0.4511, 0.2974



36.2302, 0.2907, 0.4389



8.5347, 0.3254, 0.3240



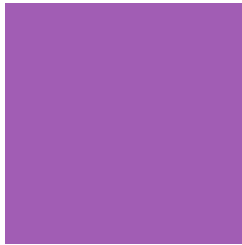
6.8845, 0.5992, 0.3074



0.2253, 0.5227, 0.2653

Previews

White Background



This preview shows how the Yxy color 18.7011, 0.2953, 0.2057 looks on a white background.

Color Contrast Check

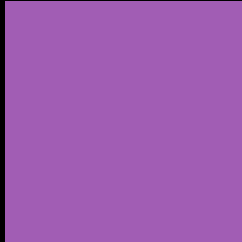
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7011, 0.2953, 0.2057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

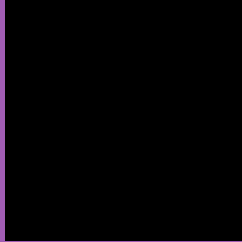
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7011, 0.2953, 0.2057

Background



This preview shows how black text looks on a background with the Yxy color 18.7011, 0.2953, 0.2057.



This preview shows how white text looks on a background with the Yxy color 18.7011, 0.2953, 0.2057.

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

18.7011, 0.2953, 0.2057

Protanopia

18.8709, 0.2122, 0.1939

Deuteranopia

18.8855, 0.2379, 0.2319



Tritanopia

18.6615, 0.3631, 0.3157

Trichromacy



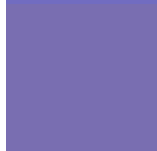
Original Color

18.7011, 0.2953, 0.2057



Protanomaly

18.0861, 0.2352, 0.1951



Deuteranomaly

18.3911, 0.2553, 0.2195



Tritanomaly

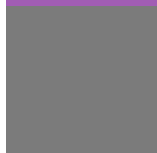
18.5331, 0.3369, 0.2711

Monochromacy



Original Color

18.7011, 0.2953, 0.2057



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

18.9203, 0.3065, 0.2743

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7011, 0.2953, 0.2057 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(161, 93, 180)` looks like.

```
.text, #text, p{  
    color:rgb(161, 93, 180)  
}
```

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(161, 93, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 93, 180) }
```

Border

The CSS property to change the border of an element to Yxy 18.7011, 0.2953, 0.2057 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(161, 93, 180) }
```

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

```
.border{ border-color:rgb(161, 93, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 93, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 93, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 93, 180); box-shadow:4px 4px 4px 4px rgb(161, 93, 180) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7011, 0.2953, 0.2057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 93, 180) }
```

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

```
.background{ background-color: rgb(161, 93,  
180) }
```

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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