

Converting Colors

$Yxy(18.4186, 0.3046, 0.1971)$

Have a look what the booklet for
Yxy(18.4186, 0.3046, 0.1971)
contains.

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Color

Yxy(18.3760, 0.3052, 0.1974)

Conversions

Conversions Part 1

Format	Color
Hex	AB54B6
RGB	171, 84, 182
RGB Percent	67%, 33%, 71%
CMY	0.3293, 0.6706, 0.2863
CMYK	0.06, 0.54, 0.00, 0.29
HSL	293°, 40%, 52%
HSV	293°, 54%, 71%
XYZ	28.4111, 18.3760, 46.3031
YIQ	121.1850, 20.3940, 48.9220

Conversions

Conversions Part 2

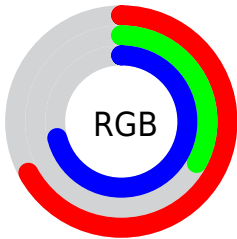
Format	Color
R_{YB}	171, 84, 182
Decimal	11228342
CIE _{Lab}	49.95, 50.05, -36.69
CIE _{LCh}	50, 62.060, 323.753
Yxy	18.3760, 0.3052, 0.1974
Android (android.graphics.Color)	4289418422 (0xFFAB54B6)
YUV	121.1850, 29.9818, 43.6878
Hunter-Lab	42.8672, 43.2868, -34.0350

Details

The Yxy color **18.3760, 0.3052, 0.1974** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **36.5254, 0.3123, 0.4950**, and the grayscale version is **19.0797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5583, 0.3086, 0.2220**, and **6.2265, 0.2966, 0.1588** is the 20% darker color. If you saturate the color by 10%, you get **15.6825, 0.3028, 0.1776**, and if you desaturate by 10%, it is **21.8085, 0.3073, 0.2200**.

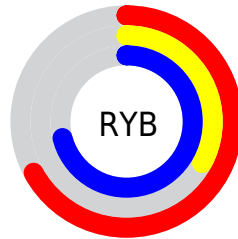
Distribution



Red (67%)

Green (33%)

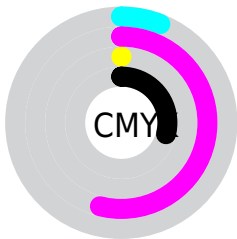
Blue (71%)



Red (67%)

Yellow (33%)

Blue (71%)

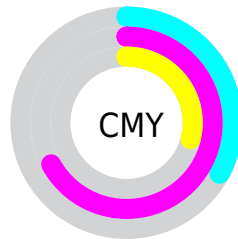


Cyan (6%)

Magenta (54%)

Yellow (0%)

Black (29%)



Cyan (33%)


Magenta (67%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3760, 0.3052, 0.1974 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 18.3760, 0.3052, 0.1974 by changing the saturation by 10% instead.


 18.3760, 0.3052,
0.1974


 18.3760, 0.3052,
0.1974


242.9819, 0.3121,
0.2647


 11.2203, 0.3022,
0.1806


 40.6770, 0.3086,
0.2220


 6.2152, 0.2976,
0.1593


 56.5910, 0.3096,
0.2312


 2.9764, 0.2898,
0.1317


 76.1933, 0.3103,
0.2390

 1.1194, 0.2759,
0.0957

 99.8682, 0.3109,
0.2457

 0.0000, 0.2615,
0.0000

 128.0001, 0.3113,
0.2514

 0.0000, 0.1044,
0.0000

160.9734, 0.3117,

 0.0000, 0.0000,

0.2564

0.0000

199.1726, 0.3119,
0.2608

■ 18.3760, 0.3052,
0.1974

■ 18.3760, 0.3052,
0.1974

■ 15.6825, 0.3028,
0.1776

■ 21.8085, 0.3073,
0.2200

■ 13.6673, 0.3002,
0.1615

■ 26.0295, 0.3090,
0.2445

■ 12.2646, 0.2975,
0.1496

■ 31.0871, 0.3105,
0.2698

■ 11.3936, 0.2946,
0.1420

■ 37.0246, 0.3116,
0.2951

■ 11.0183, 0.2929,
0.1387

■ 43.8825, 0.3125,
0.3198

■ 51.6988, 0.3131,
0.3433

■ 60.5093, 0.3134,
0.3654

■ 70.3480, 0.3137,
0.3858

■ 81.2473, 0.3137,
0.4044

Harmonies

Analogous

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



18.3760, 0.2076, 0.1696



18.3760, 0.3052, 0.1974



18.3760, 0.4275, 0.2495

Triad

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



18.3760, 0.3052, 0.1974



18.3760, 0.4801, 0.4708



18.3760, 0.1406, 0.2887

Complementary

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



18.3760, 0.3052, 0.1974



36.5254, 0.3123, 0.4950

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.



18.3760, 0.1931, 0.4233



18.3760, 0.3052, 0.1974



18.3760, 0.3882, 0.5383

Square

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



18.3760, 0.3052, 0.1974



18.3760, 0.5346, 0.3908



18.3760, 0.2843, 0.5348



18.3760, 0.1287, 0.2049

Rectangle

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



18.3760, 0.3052, 0.1974



18.3760, 0.4963, 0.2933



18.3760, 0.2843, 0.5348



18.3760, 0.1532, 0.3295

Sweetspot

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



18.3768, 0.3052, 0.1974



64.3718, 0.3114, 0.2890



13.5230, 0.2142, 0.1785



13.7190, 0.3111, 0.2838



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.



18.3768, 0.3052, 0.1974



27.5081, 0.3023, 0.1736



18.3107, 0.3696, 0.2459



9.1103, 0.3120, 0.3063



7.7994, 0.2932, 0.1389



0.2896, 0.3008, 0.1431

Inverse Universe

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



17.1096, 0.4503, 0.3142



25.1425, 0.5024, 0.3128



36.7330, 0.2818, 0.4337



9.0281, 0.3271, 0.3265



7.0649, 0.6245, 0.3214



0.2545, 0.5751, 0.2942

Previews

White Background



This preview shows how the Yxy color 18.3760, 0.3052, 0.1974 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 18.3760, 0.3052, 0.1974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

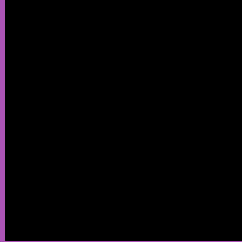
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3760, 0.3052, 0.1974

Background



This preview shows how black text looks on a background with the Yxy color 18.3760, 0.3052, 0.1974.



This preview shows how white text looks on a background with the Yxy color 18.3760, 0.3052, 0.1974.

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

18.3760, 0.3052, 0.1974

Protanopia

18.6898, 0.2015, 0.1802

Deuteranopia

18.5244, 0.2344, 0.2281



Tritanopia

18.3099, 0.3882, 0.3164

Trichromacy



Original Color

18.3760, 0.3052, 0.1974

Protanomaly

17.3858, 0.2270, 0.1810

Deuteranomaly

17.7334, 0.2558, 0.2124

Tritanomaly

17.9613, 0.3563, 0.2661

Monochromacy



Original Color

18.3760, 0.3052, 0.1974

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.1973, 0.3104, 0.2694

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3760, 0.3052, 0.1974 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(171, 84, 182)` looks like.

```
.text, #text, p{  
    color:rgb(171, 84, 182)  
}
```

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(171, 84, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 84, 182) }
```

Border

The CSS property to change the border of an element to Yxy 18.3760, 0.3052, 0.1974 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(171, 84, 182) }
```

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

```
.border{ border-color:rgb(171, 84, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 84, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 84, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 84, 182);  
box-shadow:4px 4px 4px 4px rgb(171, 84,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3760, 0.3052, 0.1974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 84, 182) }
```

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

```
.background{ background-color: rgb(171, 84,  
182) }
```

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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