

Converting Colors

$Y_{xy}(14.9678, 0.2704, 0.1731)$

Have a look what the booklet for
Yxy(14.9678, 0.2704, 0.1731)
contains.

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Color

Yxy(14.9639, 0.2704, 0.1731)

Conversions

Conversions Part 1

Format	Color
Hex	924DBA
RGB	146, 77, 186
RGB Percent	57%, 30%, 73%
CMY	0.4273, 0.6981, 0.2706
CMYK	0.21, 0.59, 0.00, 0.27
HSL	278°, 44%, 52%
HSV	278°, 59%, 73%
XYZ	23.3752, 14.9639, 48.1075
YIQ	110.0570, 6.1350, 48.5270

Conversions

Conversions Part 2

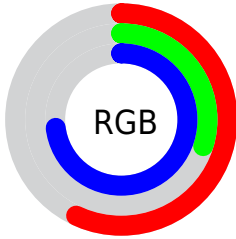
Format	Color
R_{YB}	146, 77, 186
Decimal	9588154
CIE _{Lab}	45.58, 47.81, -46.15
CIE _{LCh}	46, 66.450, 316.014
Yxy	14.9639, 0.2704, 0.1731
Android (android.graphics.Color)	4287778234 (0xFF924DBA)
YUV	110.0570, 37.4399, 31.5220
Hunter-Lab	38.6832, 40.1668, -46.6565

Details

The Yxy color **14.9639, 0.2704, 0.1731** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **39.4287, 0.3324, 0.4997**, and the grayscale version is **15.4991, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7281, 0.2812, 0.2018**, and **4.6365, 0.2492, 0.1295** is the 20% darker color. If you saturate the color by 10%, you get **12.1177, 0.2606, 0.1498**, and if you desaturate by 10%, it is **18.5925, 0.2797, 0.1991**.

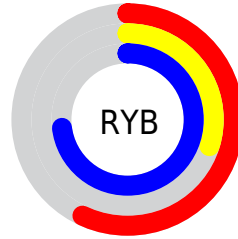
Distribution



Red (57%)

Green (30%)

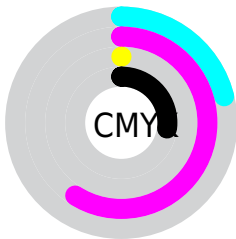
Blue (73%)



Red (57%)

Yellow (30%)

Blue (73%)

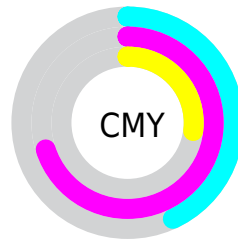


Cyan (21%)

Magenta (59%)

Yellow (0%)

Black (27%)



Cyan (43%)


Magenta (70%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.9639, 0.2704, 0.1731 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 14.9639, 0.2704, 0.1731 by changing the saturation by 10% instead.


 14.9639, 0.2704,
0.1731


 14.9639, 0.2704,
0.1731


223.1476, 0.2975,
0.2533


 8.7941, 0.2615,
0.1534


 34.7898, 0.2818,
0.2023


 4.6071, 0.2487,
0.1288


 49.2147, 0.2856,
0.2133

 2.0186, 0.2296,
0.0979

 67.1601, 0.2887,
0.2226

 0.6183, 0.1999,
0.0582

 89.0103, 0.2911,
0.2305

 0.0000, 0.1515,
0.0000

 115.1497, 0.2932,
0.2374

 0.0000, 0.0000,
0.0000

145.9629, 0.2949,

0.2434

181.8340, 0.2963,
0.2486

■ 14.9639, 0.2704,
0.1731

■ 14.9639, 0.2704,
0.1731

■ 12.1177, 0.2606,
0.1498

■ 18.5925, 0.2797,
0.1991

■ 9.9860, 0.2507,
0.1305

■ 23.0600, 0.2883,
0.2266

■ 8.4923, 0.2411,
0.1158

■ 28.4196, 0.2960,
0.2545

■ 7.5067, 0.2319,
0.1057

■ 34.7195, 0.3027,
0.2818

■ 7.3841, 0.2307,
0.1044

■ 42.0044, 0.3085,
0.3079

■ 50.3160, 0.3133,
0.3323

■ 59.6938, 0.3174,
0.3548

■ 70.1749, 0.3207,
0.3753

■ 81.7948, 0.3234,
0.3939

Harmonies

Analogous

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



14.9639, 0.1751, 0.1507



14.9639, 0.2704, 0.1731



14.9639, 0.4068, 0.2229

Triad

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



14.9639, 0.2704, 0.1731



14.9639, 0.5154, 0.4546



14.9639, 0.1312, 0.3153

Complementary

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



14.9639, 0.2704, 0.1731



39.4287, 0.3324, 0.4997

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.



14.9639, 0.1985, 0.4812



14.9639, 0.2704, 0.1731



14.9639, 0.4177, 0.5447

Square

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



14.9639, 0.2704, 0.1731



14.9639, 0.5656, 0.3679



14.9639, 0.3044, 0.5812



14.9639, 0.1103, 0.2059

Rectangle

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



14.9639, 0.2704, 0.1731



14.9639, 0.4951, 0.2674



14.9639, 0.3044, 0.5812



14.9639, 0.1480, 0.3676

Sweetspot

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



14.9645, 0.2704, 0.1731



63.3216, 0.3029, 0.2827



17.8334, 0.2149, 0.2097



13.1644, 0.3010, 0.2748



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



14.9645, 0.2704, 0.1731



20.8632, 0.2581, 0.1445



18.7013, 0.3375, 0.2083



8.9937, 0.3081, 0.3061



5.0117, 0.2318, 0.1051



0.2105, 0.2552, 0.1180

Inverse Universe

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



17.0264, 0.4221, 0.2753



25.3884, 0.4606, 0.2693



37.4568, 0.2963, 0.4926



9.0652, 0.3232, 0.3207



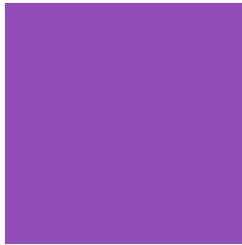
7.3186, 0.5480, 0.2792



0.2701, 0.4766, 0.2399

Previews

White Background



This preview shows how the Yxy color 14.9639, 0.2704, 0.1731 looks on a white background.

Color Contrast Check

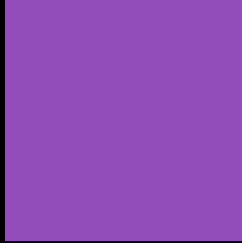
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.9639, 0.2704, 0.1731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

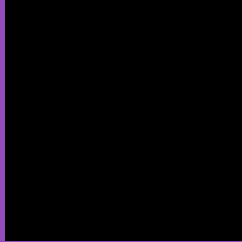
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.9639, 0.2704, 0.1731

Background



This preview shows how black text looks on a background with the Yxy color 14.9639, 0.2704, 0.1731.



This preview shows how white text looks on a background with the Yxy color 14.9639, 0.2704, 0.1731.

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

14.9639, 0.2704, 0.1731

Protanopia

15.3895, 0.1820, 0.1554

Deuteranopia

15.2247, 0.2053, 0.1999



Tritanopia

14.9508, 0.3536, 0.3159

Trichromacy



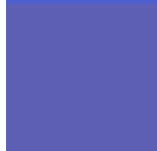
Original Color

14.9639, 0.2704, 0.1731



Protanomaly

14.1638, 0.1988, 0.1553



Deuteranomaly

14.2021, 0.2213, 0.1834



Tritanomaly

14.6347, 0.3206, 0.2523

Monochromacy



Original Color

14.9639, 0.2704, 0.1731



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

14.7813, 0.2957, 0.2553

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.9639, 0.2704, 0.1731 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(146, 77, 186)` looks like.

```
.text, #text, p{  
    color:rgb(146, 77, 186)  
}
```

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(146, 77, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 77, 186) }
```

Border

The CSS property to change the border of an element to Yxy 14.9639, 0.2704, 0.1731 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(146, 77, 186) }
```

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

```
.border{ border-color:rgb(146, 77, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 77, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 77, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 77, 186);  
box-shadow:4px 4px 4px 4px rgb(146, 77,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 14.9639, 0.2704, 0.1731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 77, 186) }
```

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

```
.background{ background-color: rgb(146, 77,  
186) }
```

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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