

Converting Colors

$Y_{xy}(17.9363, 0.3001, 0.1739)$

Have a look what the booklet for
Yxy(17.9363, 0.3001, 0.1739)
contains.

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Color

Yxy(17.9451, 0.3004, 0.1744)

Conversions

Conversions Part 1

Format	Color
Hex	B445C4
RGB	180, 69, 196
RGB Percent	71%, 27%, 77%
CMY	0.2941, 0.7293, 0.2315
CMYK	0.08, 0.65, 0.00, 0.23
HSL	292°, 52%, 52%
HSV	292°, 65%, 77%
XYZ	30.9100, 17.9451, 54.0411
YIQ	116.6670, 25.3890, 63.0290

Conversions

Conversions Part 2

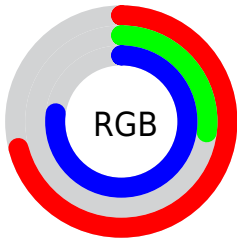
Format	Color
R_{YB}	180, 69, 196
Decimal	11814340
CIE _{Lab}	49.43, 61.82, -45.54
CIE _{LCh}	49, 76.781, 323.621
Yxy	17.9451, 0.3004, 0.1744
Android (android.graphics.Color)	4290004420 (0xFFB445C4)
YUV	116.6670, 39.1112, 55.5430
Hunter-Lab	42.3617, 56.1132, -45.9835

Details

The Yxy color **17.9451, 0.3004, 0.1744** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted purple. A complement of this color would be **41.8278, 0.3116, 0.5308**, and the grayscale version is **17.5549, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1098, 0.3060, 0.2023**, and **6.2381, 0.2898, 0.1370** is the 20% darker color. If you saturate the color by 10%, you get **15.6258, 0.2974, 0.1584**, and if you desaturate by 10%, it is **21.0672, 0.3032, 0.1942**.

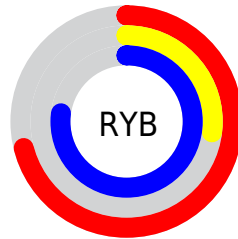
Distribution



Red (71%)

Green (27%)

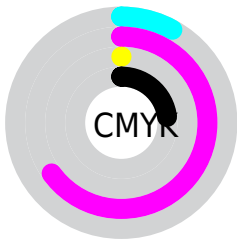
Blue (77%)



Red (71%)

Yellow (27%)

Blue (77%)

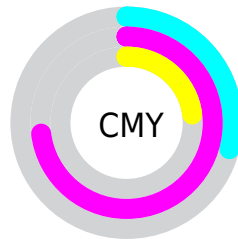


Cyan (8%)

Magenta (65%)

Yellow (0%)

Black (23%)



Cyan (29%)


Magenta (73%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.9451, 0.3004, 0.1744 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 17.9451, 0.3004, 0.1744 by changing the saturation by 10% instead.


 17.9451, 0.3004,
0.1744


 17.9451, 0.3004,
0.1744


240.5614, 0.3110,
0.2511


 10.9106, 0.2962,
0.1562


 39.9438, 0.3054,
0.2017


 6.0067, 0.2897,
0.1339


 55.6767, 0.3069,
0.2122


 2.8492, 0.2795,
0.1061


 75.0779, 0.3081,
0.2211

 1.0535, 0.2623,
0.0721

 98.5317, 0.3090,
0.2288

 0.0000, 0.2392,
0.0000

 126.4226, 0.3097,
0.2355

 0.0000, 0.1498,
0.0000

159.1349, 0.3102,

 0.0000, 0.0000,

0.2413

0.0000

197.0530, 0.3107,
0.2465

■ 17.9451, 0.3004,
0.1744

■ 17.9451, 0.3004,
0.1744

■ 15.6258, 0.2974,
0.1584

■ 21.0672, 0.3032,
0.1942

■ 14.0250, 0.2942,
0.1468

■ 25.0606, 0.3057,
0.2168

■ 13.0442, 0.2909,
0.1394

■ 29.9889, 0.3079,
0.2414

■ 12.6764, 0.2892,
0.1367

■ 35.9092, 0.3097,
0.2670

■ 42.8742, 0.3112,
0.2925

■ 50.9326, 0.3123,
0.3175

■ 60.1303, 0.3131,
0.3412

■ 70.5102, 0.3137,
0.3635

■ 82.1133, 0.3141,
0.3841

Harmonies

Analogous

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



17.9451, 0.1864, 0.1437



17.9451, 0.3004, 0.1744



17.9451, 0.4529, 0.2323

Triad

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



17.9451, 0.3004, 0.1744



17.9451, 0.5011, 0.4821



17.9451, 0.1102, 0.2742

Complementary

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



17.9451, 0.3004, 0.1744



41.8278, 0.3116, 0.5308

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.



17.9451, 0.1655, 0.4486



17.9451, 0.3004, 0.1744



17.9451, 0.3885, 0.5780

Square

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



17.9451, 0.3004, 0.1744



17.9451, 0.5750, 0.3861



17.9451, 0.2688, 0.5941



17.9451, 0.1001, 0.1786

Rectangle

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



17.9451, 0.3004, 0.1744



17.9451, 0.5389, 0.2804



17.9451, 0.2688, 0.5941



17.9451, 0.1228, 0.3248

Sweetspot

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



17.9459, 0.3004, 0.1744



71.7496, 0.3105, 0.2810



11.8980, 0.1936, 0.1463



14.5844, 0.3101, 0.2736



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



17.9459, 0.3004, 0.1744



26.8754, 0.2959, 0.1527



18.1745, 0.3839, 0.2299



10.1811, 0.3118, 0.3062



8.1738, 0.2897, 0.1369



0.3715, 0.2971, 0.1410

Inverse Universe

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



16.6470, 0.4951, 0.3107



24.6941, 0.5582, 0.3122



41.9835, 0.2799, 0.4641



10.0981, 0.3270, 0.3261



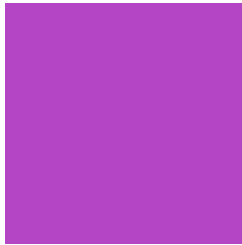
7.5920, 0.6224, 0.3202



0.3350, 0.5746, 0.2939

Previews

White Background



This preview shows how the Yxy color 17.9451, 0.3004, 0.1744 looks on a white background.

Color Contrast Check

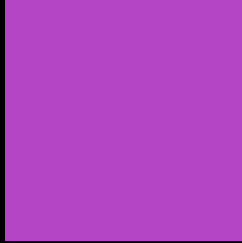
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.9451, 0.3004, 0.1744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

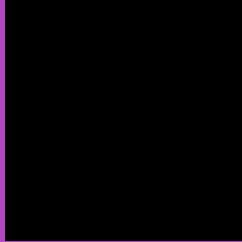
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.9451, 0.3004, 0.1744

Background



This preview shows how black text looks on a background with the Yxy color 17.9451, 0.3004, 0.1744.



This preview shows how white text looks on a background with the Yxy color 17.9451, 0.3004, 0.1744.

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

17.9451, 0.3004, 0.1744

Protanopia

18.5081, 0.1762, 0.1475

Deuteranopia

18.2500, 0.2155, 0.2094



Tritanopia

17.8737, 0.4083, 0.3184

Trichromacy



Original Color

17.9451, 0.3004, 0.1744



Protanomaly

15.8227, 0.1931, 0.1446



Deuteranomaly

16.5889, 0.2374, 0.1861



Tritanomaly

17.3932, 0.3665, 0.2556

Monochromacy



Original Color

17.9451, 0.3004, 0.1744



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

16.7651, 0.3084, 0.2515

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9451, 0.3004, 0.1744 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(180, 69, 196)` looks like.

```
.text, #text, p{  
    color:rgb(180, 69, 196)  
}
```

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(180, 69, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 69, 196) }
```

Border

The CSS property to change the border of an element to Yxy 17.9451, 0.3004, 0.1744 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(180, 69, 196) }
```

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

```
.border{ border-color:rgb(180, 69, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 69, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 69, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 69, 196);  
box-shadow:4px 4px 4px 4px rgb(180, 69,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9451, 0.3004, 0.1744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 69, 196) }
```

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

```
.background{ background-color: rgb(180, 69,  
196) }
```

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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