

Converting Colors

$Y_{xy}(17.5738, 0.3232, 0.1936)$

Have a look what the booklet for
Yxy(17.5738, 0.3232, 0.1936)
contains.

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Color

Yxy(17.5446, 0.3230, 0.1931)

Conversions

Conversions Part 1

Format	Color
Hex	B547B2
RGB	181, 71, 178
RGB Percent	71%, 28%, 70%
CMY	0.2902, 0.7216, 0.3019
CMYK	0.00, 0.61, 0.02, 0.29
HSL	302°, 44%, 49%
HSV	302°, 61%, 71%
XYZ	29.3470, 17.5446, 43.9660
YIQ	116.0880, 31.2130, 56.5970

Conversions

Conversions Part 2

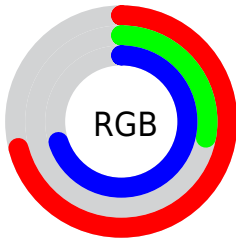
Format	Color
R_{YB}	181, 71, 178
Decimal	11880370
CIE _{Lab}	48.94, 58.03, -35.86
CIE _{LCh}	49, 68.221, 328.287
Yxy	17.5446, 0.3230, 0.1931
Android (android.graphics.Color)	4290070450 (0xFFB547B2)
YUV	116.0880, 30.5226, 56.9278
Hunter-Lab	41.8863, 51.7624, -32.9134

Details

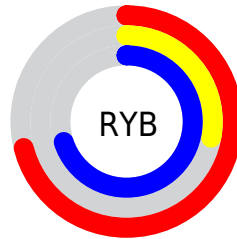
The Yxy color **17.5446, 0.3230, 0.1931** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **34.8838, 0.3022, 0.5177**, and the grayscale version is **17.3911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.2129, 0.3226, 0.2185**, and **5.8406, 0.3209, 0.1542** is the 20% darker color. If you saturate the color by 10%, you get **15.5563, 0.3245, 0.1783**, and if you desaturate by 10%, it is **20.2201, 0.3213, 0.2115**.

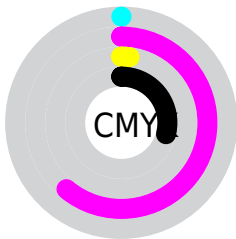
Distribution



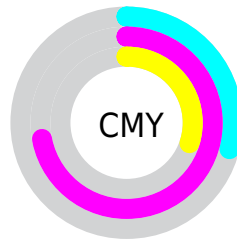
- Red (71%)
- Green (28%)
- Blue (70%)



- Red (71%)
- Yellow (28%)
- Blue (70%)



- Cyan (0%)
- Magenta (61%)
- Yellow (2%)
- Black (29%)



- Cyan (29%)
- Magenta (72%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.5446, 0.3230, 0.1931 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 17.5446, 0.3230, 0.1931 by changing the saturation by 10% instead.


 17.5446, 0.3230,
0.1931


 17.5446, 0.3230,
0.1931


238.2915, 0.3204,
0.2625


 10.6235, 0.3226,
0.1758


 39.2598, 0.3228,
0.2184


 5.8143, 0.3212,
0.1540


 54.8227, 0.3225,
0.2279

 2.7325, 0.3180,
0.1258


 74.0350, 0.3221,
0.2359

 0.9937, 0.3102,
0.0894

 97.2811, 0.3218,
0.2428

 0.0000, 0.3047,
0.0000

 124.9455, 0.3214,
0.2487

 0.0000, 0.1753,
0.0000

157.4124, 0.3210,

 0.0000, 0.0000,

0.2539

0.0000

195.0662, 0.3207,
0.2585

■ 17.5446, 0.3230,
0.1931

■ 17.5446, 0.3230,
0.1931

■ 15.5563, 0.3245,
0.1783

■ 20.2201, 0.3213,
0.2115

■ 14.1900, 0.3258,
0.1676

■ 23.6357, 0.3196,
0.2326

■ 13.3718, 0.3270,
0.1611

■ 27.8419, 0.3178,
0.2556

■ 12.9623, 0.3278,
0.1580

■ 32.8840, 0.3161,
0.2796

■ 38.8038, 0.3144,
0.3037

■ 45.6406, 0.3128,
0.3272

■ 53.4310, 0.3114,
0.3497

■ 62.2098, 0.3101,
0.3709

■ 72.0100, 0.3089,
0.3906

Harmonies

Analogous

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



17.5446, 0.2104, 0.1595



17.5446, 0.3230, 0.1931



17.5446, 0.4596, 0.2514

Triad

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



17.5446, 0.3230, 0.1931



17.5446, 0.4770, 0.4910



17.5446, 0.1215, 0.2638

Complementary

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



17.5446, 0.3230, 0.1931



34.8838, 0.3022, 0.5177

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.



17.5446, 0.1685, 0.4095



17.5446, 0.3230, 0.1931



17.5446, 0.3724, 0.5662

Square

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



17.5446, 0.3230, 0.1931



17.5446, 0.5489, 0.4022



17.5446, 0.2608, 0.5509



17.5446, 0.1158, 0.1838

Rectangle

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



17.5446, 0.3230, 0.1931



17.5446, 0.5296, 0.2984



17.5446, 0.2608, 0.5509



17.5446, 0.1319, 0.3056

Sweetspot

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



17.5454, 0.3230, 0.1931



61.3660, 0.3157, 0.2856



9.2523, 0.1978, 0.1373



12.6446, 0.3161, 0.2786



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.



17.5454, 0.3230, 0.1931



26.8971, 0.3250, 0.1741



15.7900, 0.4051, 0.2563



8.6427, 0.3142, 0.3072



8.9371, 0.3277, 0.1579



0.2824, 0.3257, 0.1568

Inverse Universe

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



17.5454, 0.3230, 0.1931



26.8971, 0.3250, 0.1741



35.9437, 0.2706, 0.4227



8.6427, 0.3142, 0.3072



8.9371, 0.3277, 0.1579



0.2824, 0.3257, 0.1568

Previews

White Background



This preview shows how the Yxy color 17.5446, 0.3230, 0.1931 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 17.5446, 0.3230, 0.1931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

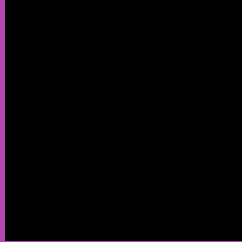
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.5446, 0.3230, 0.1931

Background



This preview shows how black text looks on a background with the Yxy color 17.5446, 0.3230, 0.1931.



This preview shows how white text looks on a background with the Yxy color 17.5446, 0.3230, 0.1931.

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

17.5446, 0.3230, 0.1931

Protanopia

17.8581, 0.1933, 0.1691

Deuteranopia

17.8640, 0.2373, 0.2314



Tritanopia

17.5195, 0.4226, 0.3188

Trichromacy



Original Color

17.5446, 0.3230, 0.1931



Protanomaly

16.1254, 0.2218, 0.1696



Deuteranomaly

16.6060, 0.2615, 0.2087



Tritanomaly

17.1695, 0.3853, 0.2665

Monochromacy



Original Color

17.5446, 0.3230, 0.1931



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

16.5539, 0.3172, 0.2621

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5446, 0.3230, 0.1931 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(181, 71, 178)` looks like.

```
.text, #text, p{  
    color:rgb(181, 71, 178)  
}
```

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(181, 71, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 71, 178) }
```

Border

The CSS property to change the border of an element to Yxy 17.5446, 0.3230, 0.1931 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(181, 71, 178) }
```

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

```
.border{ border-color:rgb(181, 71, 178) }
```

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

Here you see how a box with a 4 pixel rgb(181, 71, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 71, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 71, 178);  
box-shadow:4px 4px 4px 4px rgb(181, 71,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5446, 0.3230, 0.1931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 71, 178) }
```

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

```
.background{ background-color: rgb(181, 71,  
178) }
```

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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