

Converting Colors

$Y_{xy}(17.8772, 0.3197, 0.1809)$

Have a look what the booklet for
Yxy(17.8772, 0.3197, 0.1809)
contains.

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Color

Yxy(17.8772, 0.3197, 0.1809)

Conversions

Conversions Part 1

Format	Color
Hex	BC3FBC
RGB	188, 63, 188
RGB Percent	74%, 25%, 74%
CMY	0.2627, 0.7529, 0.2628
CMYK	0.00, 0.66, 0.00, 0.26
HSL	300°, 50%, 49%
HSV	300°, 66%, 74%
XYZ	31.5939, 17.8772, 49.3525
YIQ	114.6250, 34.3750, 65.3750

Conversions

Conversions Part 2

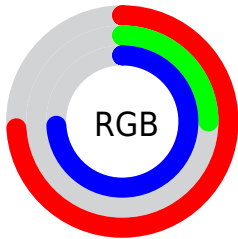
Format	Color
R _Y B	188, 63, 188
Decimal	12337084
CIE Lab	49.35, 64.69, -40.96
CIE LCh	49, 76.570, 327.657
Yxy	17.8772, 0.3197, 0.1809
Android (android.graphics.Color)	4290527164 (0xFFBC3FBC)
YUV	114.6250, 36.1739, 64.3499
Hunter-Lab	42.2814, 59.3879, -39.6086

Details

The Yxy color **17.8772, 0.3197, 0.1809** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **37.3872, 0.3028, 0.5407**, and the grayscale version is **16.9066, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.7997, 0.3203, 0.2071**, and **6.5465, 0.3155, 0.1512** is the 20% darker color. If you saturate the color by 10%, you get **16.1390, 0.3203, 0.1682**, and if you desaturate by 10%, it is **20.3279, 0.3189, 0.1975**.

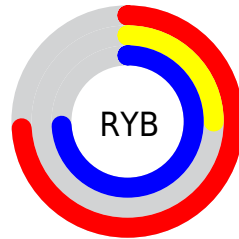
Distribution



Red (74%)

Green (25%)

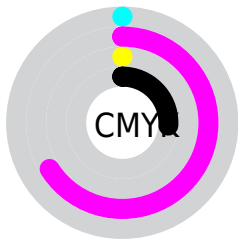
Blue (74%)



Red (74%)

Yellow (25%)

Blue (74%)

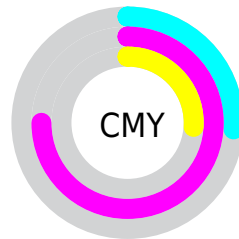


Cyan (0%)

Magenta (66%)

Yellow (0%)

Black (26%)



Cyan (26%)

Magenta (75%)

Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8772, 0.3197, 0.1809 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 17.8772, 0.3197, 0.1809 by changing the saturation by 10% instead.


 17.8772, 0.3197,
0.1809


 17.8772, 0.3197,
0.1809


240.1780, 0.3196,
0.2550


 10.8619, 0.3184,
0.1631


 39.8280, 0.3206,
0.2075


 5.9740, 0.3159,
0.1410


 55.5322, 0.3206,
0.2176


 2.8293, 0.3109,
0.1131


 74.9015, 0.3206,
0.2262

 1.0433, 0.3008,
0.0784

 98.3202, 0.3204,
0.2336

 0.0000, 0.2899,
0.0000

 126.1729, 0.3202,
0.2400

 0.0000, 0.2104,
0.0000

158.8438, 0.3200,

 0.0000, 0.0000,

0.2456

0.0000

196.7174, 0.3198,
0.2506

■ 17.8772, 0.3197,
0.1809

■ 17.8772, 0.3197,
0.1809

■ 16.1390, 0.3203,
0.1682

■ 20.3279, 0.3189,
0.1975

■ 15.0350, 0.3207,
0.1598

■ 23.5538, 0.3180,
0.2175

■ 14.4656, 0.3209,
0.1553

■ 27.6136, 0.3169,
0.2400

■ 14.3223, 0.3210,
0.1542

■ 32.5596, 0.3158,
0.2641

■ 38.4400, 0.3146,
0.2888

■ 45.2993, 0.3135,
0.3134

■ 53.1793, 0.3123,
0.3373

■ 62.1193, 0.3113,
0.3599

■ 72.1567, 0.3103,
0.3811

Harmonies

Analogous

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



17.8772, 0.1987, 0.1463



17.8772, 0.3197, 0.1809



17.8772, 0.4725, 0.2417

Triad

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



17.8772, 0.3197, 0.1809



17.8772, 0.4873, 0.4960



17.8772, 0.1068, 0.2568

Complementary

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



17.8772, 0.3197, 0.1809



37.3872, 0.3028, 0.5407

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.



17.8772, 0.1551, 0.4223



17.8772, 0.3197, 0.1809



17.8772, 0.3724, 0.5873

Square

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



17.8772, 0.3197, 0.1809



17.8772, 0.5685, 0.3980



17.8772, 0.2533, 0.5830



17.8772, 0.1016, 0.1712

Rectangle

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



17.8772, 0.3197, 0.1809



17.8772, 0.5512, 0.2906



17.8772, 0.2533, 0.5830



17.8772, 0.1173, 0.3033

Sweetspot

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



17.8780, 0.3197, 0.1809



65.3639, 0.3151, 0.2793



8.2433, 0.1853, 0.1184



13.4147, 0.3154, 0.2723



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.



17.8780, 0.3197, 0.1809



28.1475, 0.3205, 0.1637



15.7415, 0.4153, 0.2490



9.6963, 0.3138, 0.3064



9.7501, 0.3210, 0.1542



0.3819, 0.3210, 0.1542

Inverse Universe

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



17.8780, 0.3197, 0.1809



28.1475, 0.3205, 0.1637



38.5216, 0.2700, 0.4375



9.6963, 0.3138, 0.3064



9.7501, 0.3210, 0.1542



0.3819, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 17.8772, 0.3197, 0.1809 looks on a white background.

Color Contrast Check

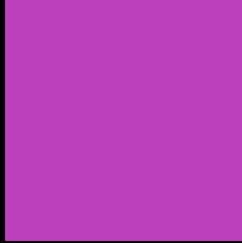
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.8772, 0.3197, 0.1809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

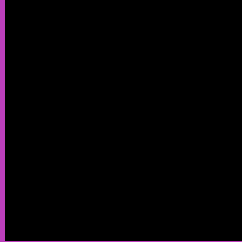
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.8772, 0.3197, 0.1809

Background



This preview shows how black text looks on a background with the Yxy color 17.8772, 0.3197, 0.1809.

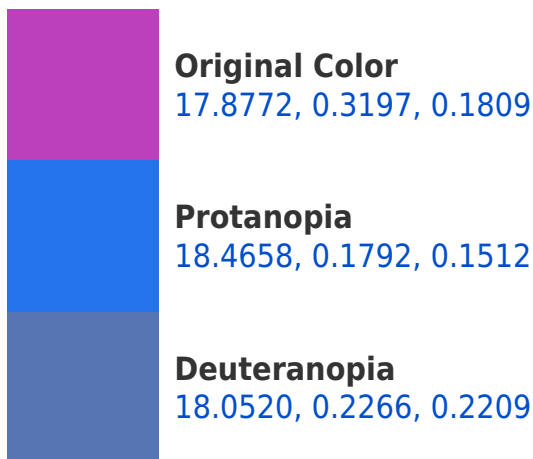


This preview shows how white text looks on a background with the Yxy color 17.8772, 0.3197, 0.1809.

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





Tritanopia

17.8290, 0.4352, 0.3192

Trichromacy



Original Color

17.8772, 0.3197, 0.1809



Protanomaly

15.5230, 0.2007, 0.1470



Deuteranomaly

16.2119, 0.2518, 0.1941



Tritanomaly

17.4686, 0.3915, 0.2597

Monochromacy



Original Color

17.8772, 0.3197, 0.1809



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

16.0695, 0.3164, 0.2514

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8772, 0.3197, 0.1809 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(188, 63, 188)` looks like.

```
.text, #text, p{  
    color:rgb(188, 63, 188)  
}
```

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(188, 63, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 63, 188) }
```

Border

The CSS property to change the border of an element to Yxy 17.8772, 0.3197, 0.1809 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(188, 63, 188) }
```

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

```
.border{ border-color:rgb(188, 63, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 63, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(188, 63, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(188, 63, 188); box-shadow:4px 4px 4px 4px rgb(188, 63, 188) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8772, 0.3197, 0.1809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 63, 188) }
```

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

```
.background{ background-color: rgb(188, 63,  
188) }
```

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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