

Converting Colors

$Y_{xy}(17.8946, 0.3202, 0.2148)$

Have a look what the booklet for
Yxy(17.8946, 0.3202, 0.2148)
contains.

Yxy(17.8806, 0.3207, 0.2150)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(17.8806, 0.3207, 0.2150)

Conversions

Conversions Part 1

Format	Color
Hex	A956A7
RGB	169, 86, 167
RGB Percent	66%, 34%, 65%
CMY	0.3371, 0.6628, 0.3450
CMYK	0.00, 0.49, 0.01, 0.34
HSL	301°, 33%, 50%
HSV	301°, 49%, 66%
XYZ	26.6712, 17.8806, 38.6138
YIQ	120.0510, 23.4670, 42.7870

Conversions

Conversions Part 2

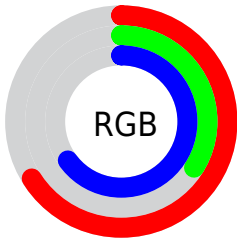
Format	Color
R_{YB}	169, 86, 167
Decimal	11097767
CIE _{Lab}	49.35, 45.66, -28.89
CIE _{LCh}	49, 54.032, 327.676
Yxy	17.8806, 0.3207, 0.2150
Android (android.graphics.Color)	4289287847 (0xFFA956A7)
YUV	120.0510, 23.1459, 42.9283
Hunter-Lab	42.2855, 38.5878, -24.5420

Details

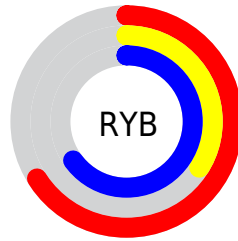
The Yxy color **17.8806, 0.3207, 0.2150** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **31.0694, 0.3043, 0.4777**, and the grayscale version is **18.7179, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.9079, 0.3208, 0.2380**, and **6.0267, 0.3197, 0.1795** is the 20% darker color. If you saturate the color by 10%, you get **15.4796, 0.3223, 0.1961**, and if you desaturate by 10%, it is **20.9214, 0.3190, 0.2365**.

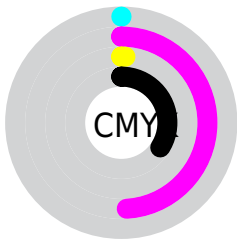
Distribution



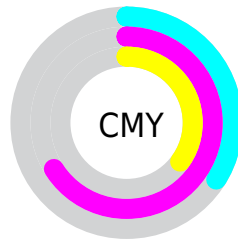
- Red (66%)
- Green (34%)
- Blue (65%)



- Red (66%)
- Yellow (34%)
- Blue (65%)



- Cyan (0%)
- Magenta (49%)
- Yellow (1%)
- Black (34%)




- Cyan (34%)
- Magenta (66%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8806, 0.3207, 0.2150 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 17.8806, 0.3207, 0.2150 by changing the saturation by 10% instead.


 17.8806, 0.3207,
0.2150

 17.8806, 0.3207,
0.2150


240.1972, 0.3183,
0.2748


 10.8643, 0.3205,
0.1994


 39.8338, 0.3204,
0.2373


 5.9757, 0.3197,
0.1792


 55.5394, 0.3201,
0.2455


 2.8303, 0.3174,
0.1521

 74.9103, 0.3197,
0.2524

 1.0438, 0.3114,
0.1150

 98.3308, 0.3194,
0.2582

 0.0000, 0.3153,
0.0000

 126.1854, 0.3191,
0.2632

 0.0000, 0.0000,
0.0000

158.8584, 0.3189,

0.2676

196.7342, 0.3186,
0.2714

■ 17.8806, 0.3207,
0.2150

■ 17.8806, 0.3207,
0.2150

■ 15.4796, 0.3223,
0.1961

■ 20.9214, 0.3190,
0.2365

■ 13.6704, 0.3237,
0.1806

■ 24.6409, 0.3173,
0.2597

■ 12.4019, 0.3250,
0.1691

■ 29.0777, 0.3157,
0.2836

■ 11.6136, 0.3261,
0.1617

■ 34.2667, 0.3141,
0.3076

■ 11.1858, 0.3269,
0.1578

■ 40.2408, 0.3126,
0.3310

■ 11.1528, 0.3270,
0.1575

■ 47.0306, 0.3112,
0.3533

■ 54.6653, 0.3100,
0.3742

■ 63.1726, 0.3088,
0.3936

■ 72.5789, 0.3078,
0.4114

Harmonies

Analogous

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



17.8806, 0.2284, 0.1860



17.8806, 0.3207, 0.2150



17.8806, 0.4275, 0.2658

Triad

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



17.8806, 0.3207, 0.2150



17.8806, 0.4574, 0.4702



17.8806, 0.1538, 0.2830

Complementary

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



17.8806, 0.3207, 0.2150



31.0694, 0.3043, 0.4777

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.



17.8806, 0.1985, 0.3955



17.8806, 0.3207, 0.2150



17.8806, 0.3730, 0.5193

Square

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



17.8806, 0.3207, 0.2150



17.8806, 0.5090, 0.3995



17.8806, 0.2786, 0.4983



17.8806, 0.1459, 0.2124

Rectangle

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



17.8806, 0.3207, 0.2150



17.8806, 0.4836, 0.3075



17.8806, 0.2786, 0.4983



17.8806, 0.1644, 0.3169

Sweetspot

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



17.8814, 0.3207, 0.2150



55.4837, 0.3151, 0.2930



11.5617, 0.2223, 0.1778



11.6981, 0.3154, 0.2881



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



17.8814, 0.3207, 0.2150



27.3707, 0.3224, 0.1945



16.6002, 0.3797, 0.2685



7.6634, 0.3141, 0.3073



8.3099, 0.3269, 0.1575



0.2031, 0.3248, 0.1563

Inverse Universe

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



17.8814, 0.3207, 0.2150



27.3707, 0.3224, 0.1945



31.9470, 0.2759, 0.4010



7.6634, 0.3141, 0.3073



8.3099, 0.3269, 0.1575



0.2031, 0.3248, 0.1563

Previews

White Background



This preview shows how the Yxy color 17.8806, 0.3207, 0.2150 looks on a white background.

Color Contrast Check

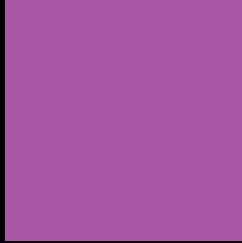
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.8806, 0.3207, 0.2150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

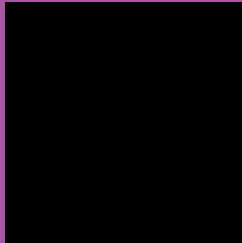
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.8806, 0.3207, 0.2150

Background



This preview shows how black text looks on a background with the Yxy color 17.8806, 0.3207, 0.2150.



This preview shows how white text looks on a background with the Yxy color 17.8806, 0.3207, 0.2150.

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

17.8806, 0.3207, 0.2150

Protanopia

18.1419, 0.2182, 0.2013

Deuteranopia

18.0425, 0.2524, 0.2464



Tritanopia

17.8784, 0.3922, 0.3164

Trichromacy



Original Color

17.8806, 0.3207, 0.2150

Protanomaly

17.1014, 0.2453, 0.2013

Deuteranomaly

17.3727, 0.2739, 0.2304

Tritanomaly

17.7687, 0.3666, 0.2764

Monochromacy



Original Color

17.8806, 0.3207, 0.2150

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

17.9345, 0.3164, 0.2787

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8806, 0.3207, 0.2150 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(169, 86, 167)` looks like.

```
.text, #text, p{  
    color:rgb(169, 86, 167)  
}
```

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(169, 86, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 86, 167) }
```

Border

The CSS property to change the border of an element to Yxy 17.8806, 0.3207, 0.2150 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(169, 86, 167) }
```

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

```
.border{ border-color:rgb(169, 86, 167) }
```

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

Here you see how a box with a 4 pixel rgb(169, 86, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 86, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 86, 167);  
box-shadow:4px 4px 4px 4px rgb(169, 86,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8806, 0.3207, 0.2150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 86, 167) }
```

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

```
.background{ background-color: rgb(169, 86,  
167) }
```

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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