

Converting Colors

$Y_{xy}(12.5614, 0.3207, 0.1599)$

Have a look what the booklet for
Yxy(12.5614, 0.3207, 0.1599)
contains.

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Color

Yxy(12.5142, 0.3206, 0.1600)

Conversions

Conversions Part 1

Format	Color
Hex	AD17AD
RGB	173, 23, 173
RGB Percent	68%, 9%, 68%
CMY	0.3217, 0.9093, 0.3216
CMYK	0.00, 0.87, 0.00, 0.32
HSL	300°, 76%, 38%
HSV	300°, 87%, 68%
XYZ	25.0753, 12.5142, 40.6242
YIQ	84.9500, 41.2500, 78.4500

Conversions

Conversions Part 2

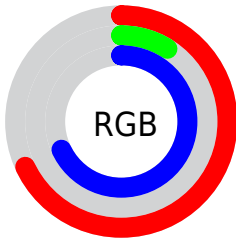
Format	Color
R_{YB}	173, 23, 173
Decimal	11343789
CIE _{Lab}	42.02, 70.59, -43.94
CIE _{LCh}	42, 83.147, 328.096
Yxy	12.5142, 0.3206, 0.1600
Android (android.graphics.Color)	4289533869 (0xFFAD17AD)
YUV	84.9500, 43.4087, 77.2199
Hunter-Lab	35.3754, 64.6200, -43.3243

Details

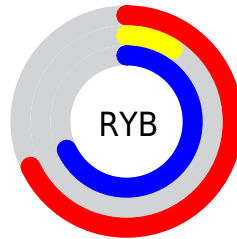
The Yxy color **12.5142, 0.3206, 0.1600** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **30.1302, 0.3007, 0.5861**, and the grayscale version is **8.9896, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4672, 0.3223, 0.1916**, and **5.0691, 0.3129, 0.1497** is the 20% darker color. If you saturate the color by 10%, you get **12.0228, 0.3208, 0.1553**, and if you desaturate by 10%, it is **13.4441, 0.3202, 0.1685**.

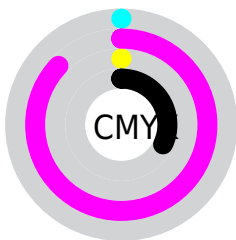
Distribution



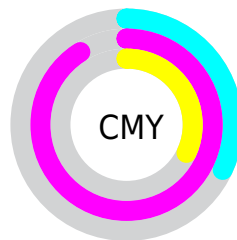
- Red (68%)
- Green (9%)
- Blue (68%)



- Red (68%)
- Yellow (9%)
- Blue (68%)



- Cyan (0%)
- Magenta (87%)
- Yellow (0%)
- Black (32%)




- Cyan (32%)
- Magenta (91%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5142, 0.3206, 0.1600 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 12.5142, 0.3206, 0.1600 by changing the saturation by 10% instead.


 12.5142, 0.3206,
0.1600


 12.5142, 0.3206,
0.1600


 207.7803, 0.3211,
0.2466


 7.0949, 0.3185,
0.1389


 30.4282, 0.3221,
0.1914


 3.5215, 0.3142,
0.1129


 43.6917, 0.3223,
0.2032


 1.4097, 0.3058,
0.0809

 60.3387, 0.3222,
0.2133

 0.2238, 0.2934,
0.0265

 80.7536, 0.3221,
0.2219

 0.0000, 0.2520,
0.0000

 105.3209, 0.3218,
0.2293

 0.0000, 0.0000,
0.0000

 134.4248, 0.3216,

0.2358

168.4498, 0.3213,
0.2415

■ 12.5142, 0.3206,
0.1600

■ 12.5142, 0.3206,
0.1600

■ 12.0228, 0.3208,
0.1553

■ 13.4441, 0.3202,
0.1685

■ 11.8959, 0.3209,
0.1541

■ 14.8969, 0.3196,
0.1813

■ 16.9348, 0.3188,
0.1979

■ 19.6106, 0.3179,
0.2178

■ 22.9716, 0.3169,
0.2402

■ 27.0605, 0.3158,
0.2641

■ 31.9164, 0.3146,
0.2887

■ 37.5757, 0.3135,
0.3132

■ 44.0725, 0.3123,
0.3369

Harmonies

Analogous

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



12.5142, 0.1807, 0.1229



12.5142, 0.3206, 0.1600



12.5142, 0.5075, 0.2258

Triad

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



12.5142, 0.3206, 0.1600



12.5142, 0.4955, 0.5045



12.5142, 0.0786, 0.2343

Complementary

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



12.5142, 0.3206, 0.1600



30.1302, 0.3007, 0.5861

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.



12.5142, 0.1239, 0.4378



12.5142, 0.3206, 0.1600



12.5142, 0.3632, 0.6368

Square

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



12.5142, 0.3206, 0.1600



12.5142, 0.6045, 0.3914



12.5142, 0.2277, 0.6479



12.5142, 0.0768, 0.1442

Rectangle

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



12.5142, 0.3206, 0.1600



12.5142, 0.5999, 0.2769



12.5142, 0.2277, 0.6479



12.5142, 0.0876, 0.2880

Sweetspot

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



12.5148, 0.3206, 0.1600



48.6057, 0.3157, 0.2645



3.9234, 0.1587, 0.0754



9.9982, 0.3161, 0.2564



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



12.5148, 0.3206, 0.1600



21.3074, 0.3209, 0.1541



10.4326, 0.4571, 0.2400



8.1480, 0.3138, 0.3067



8.7404, 0.3209, 0.1541



0.2432, 0.3209, 0.1541

Inverse Universe

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



9.5641, 0.6104, 0.3299



15.9114, 0.6401, 0.3300



30.9040, 0.2704, 0.4806



8.0154, 0.3286, 0.3290



6.5269, 0.6400, 0.3300



0.1816, 0.6399, 0.3299

Previews

White Background



This preview shows how the Yxy color 12.5142, 0.3206, 0.1600 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 12.5142, 0.3206, 0.1600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

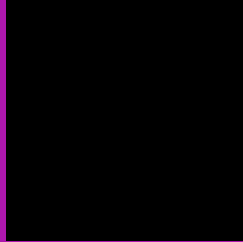
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.5142, 0.3206, 0.1600

Background



This preview shows how black text looks on a background with the Yxy color 12.5142, 0.3206, 0.1600.



This preview shows how white text looks on a background with the Yxy color 12.5142, 0.3206, 0.1600.

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

12.5142, 0.3206, 0.1600

Protanopia

12.9572, 0.1744, 0.1477

Deuteranopia

13.0085, 0.2121, 0.2072



Tritanopia

12.5697, 0.4702, 0.3219

Trichromacy



Original Color

12.5142, 0.3206, 0.1600



Protanomaly

9.2873, 0.1857, 0.1244



Deuteranomaly

10.4387, 0.2367, 0.1652



Tritanomaly

11.8009, 0.4145, 0.2462

Monochromacy



Original Color

12.5142, 0.3206, 0.1600



Achromatopsia

9.0842, 0.3127, 0.3290



Achromatomaly

8.6213, 0.3177, 0.2223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5142, 0.3206, 0.1600 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(173, 23, 173)` looks like.

```
.text, #text, p{  
    color:rgb(173, 23, 173)  
}
```

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(173, 23, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 23, 173) }
```

Border

The CSS property to change the border of an element to Yxy 12.5142, 0.3206, 0.1600 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(173, 23, 173) }
```

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

```
.border{ border-color:rgb(173, 23, 173) }
```

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

Here you see how a box with a 4 pixel rgb(173, 23, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 23, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 23, 173);  
box-shadow:4px 4px 4px 4px rgb(173, 23,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5142, 0.3206, 0.1600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 23, 173) }
```

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

```
.background{ background-color: rgb(173, 23,  
173) }
```

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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