

Converting Colors

$Y_{xy}(12.5513, 0.3624, 0.1770)$

Have a look what the booklet for
Yxy(12.5513, 0.3624, 0.1770)
contains.

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Color

Yxy(12.5906, 0.3635, 0.1776)

Conversions

Conversions Part 1

Format	Color
Hex	B8009C
RGB	184, 0, 156
RGB Percent	72%, 0%, 61%
CMY	0.2784, 1.0000, 0.3882
CMYK	0.00, 1.00, 0.15, 0.28
HSL	309°, 100%, 36%
HSV	309°, 100%, 72%
XYZ	25.7696, 12.5906, 32.5328
YIQ	72.8000, 59.5880, 87.5240

Conversions

Conversions Part 2

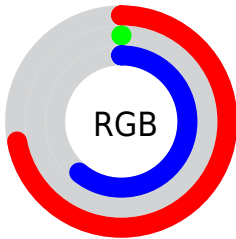
Format	Color
RYB	184, 0, 156
Decimal	12058780
CIELab	42.14, 73.01, -33.46
CIElCh	42, 80.315, 335.375
Yxy	12.5906, 0.3635, 0.1776
Android (android.graphics.Color)	4290248860 (0xFFB8009C)
YUV	72.8000, 41.0176, 97.5224
Hunter-Lab	35.4832, 67.5395, -29.5218

Details

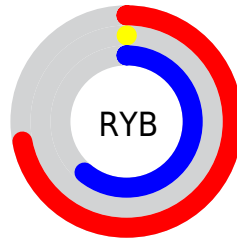
The Yxy color **12.5906, 0.3635, 0.1776** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **34.3661, 0.2964, 0.5871**, and the grayscale version is **6.5462, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5918, 0.3546, 0.2070**, and **5.4351, 0.3689, 0.1806** is the 20% darker color. If you saturate the color by 10%, you get **12.5917, 0.3635, 0.1776**, and if you desaturate by 10%, it is **13.1333, 0.3582, 0.1793**.

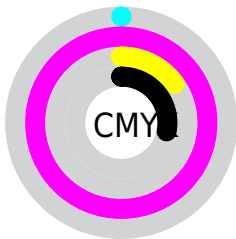
Distribution



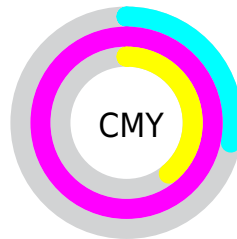
- Red (72%)
- Green (0%)
- Blue (61%)



- Red (72%)
- Yellow (0%)
- Blue (61%)



- Cyan (0%)
- Magenta (100%)
- Yellow (15%)
- Black (28%)




- Cyan (28%)
- Magenta (100%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5906, 0.3635, 0.1776 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 12.5906, 0.3635, 0.1776 by changing the saturation by 10% instead.


 12.5906, 0.3635,
0.1776

 12.5906, 0.3635,
0.1776


208.2770, 0.3381,
0.2570


 7.1472, 0.3694,
0.1573


 30.5663, 0.3545,
0.2070


 3.5544, 0.3765,
0.1315


 43.8674, 0.3510,
0.2179

 1.4275, 0.3846,
0.0984

 60.5566, 0.3480,
0.2271

 0.2369, 0.4008,
0.0361

 81.0182, 0.3455,
0.2349

 0.0000, 0.3970,
0.0000

 105.6367, 0.3432,
0.2416

 0.0000, 0.0000,
0.0000

 134.7963, 0.3413,

0.2474

168.8816, 0.3396,
0.2525

■ 12.5906, 0.3635,
0.1776

■ 12.5906, 0.3635,
0.1776

■ 12.5917, 0.3635,
0.1776

■ 13.1333, 0.3582,
0.1793

■ 14.0965, 0.3526,
0.1847

■ 15.6376, 0.3468,
0.1945

■ 17.8331, 0.3410,
0.2084

■ 20.7480, 0.3353,
0.2255

■ 24.4393, 0.3299,
0.2450

■ 28.9583, 0.3248,
0.2658

■ 34.3519, 0.3203,
0.2872

■ 40.6636, 0.3163,
0.3084

Harmonies

Analogous

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



12.5906, 0.2110, 0.1333



12.5906, 0.3635, 0.1776



12.5906, 0.5396, 0.2473

Triad

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



12.5906, 0.3635, 0.1776



12.5906, 0.4645, 0.5355



12.5906, 0.0798, 0.2084

Complementary

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



12.5906, 0.3635, 0.1776



34.3661, 0.2964, 0.5871

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.



12.5906, 0.1131, 0.3769



12.5906, 0.3635, 0.1776



12.5906, 0.3306, 0.6438

Square

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



12.5906, 0.3635, 0.1776



12.5906, 0.5806, 0.4194



12.5906, 0.2038, 0.6024



12.5906, 0.0854, 0.1381

Rectangle

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



12.5906, 0.3635, 0.1776



12.5906, 0.6091, 0.2988



12.5906, 0.2038, 0.6024



12.5906, 0.0856, 0.2512

Sweetspot

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



12.5917, 0.3635, 0.1776



52.0445, 0.3251, 0.2647



3.7021, 0.1562, 0.0634



10.4475, 0.3271, 0.2559



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



12.5917, 0.3635, 0.1776



22.7963, 0.3643, 0.1780



10.5655, 0.5576, 0.2846



9.1386, 0.3160, 0.3098



8.6861, 0.3629, 0.1773



0.3126, 0.3505, 0.1704

Inverse Universe

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



12.5917, 0.3635, 0.1776



22.7963, 0.3643, 0.1780



35.6287, 0.2577, 0.4477



9.1386, 0.3160, 0.3098



8.6861, 0.3629, 0.1773



0.3126, 0.3505, 0.1704

Previews

White Background



This preview shows how the Yxy color 12.5906, 0.3635, 0.1776 looks on a white background.

Color Contrast Check

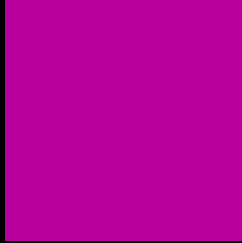
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.5906, 0.3635, 0.1776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

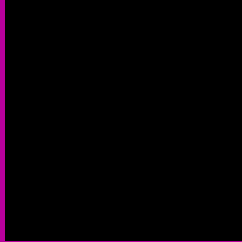
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.5906, 0.3635, 0.1776

Background



This preview shows how black text looks on a background with the Yxy color 12.5906, 0.3635, 0.1776.



This preview shows how white text looks on a background with the Yxy color 12.5906, 0.3635, 0.1776.

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

12.5906, 0.3635, 0.1776

Protanopia

13.3388, 0.1739, 0.1461

Deuteranopia

13.2675, 0.2419, 0.2377



Tritanopia

12.9492, 0.5145, 0.3246

Trichromacy



Original Color

12.5906, 0.3635, 0.1776



Protanomaly

8.3562, 0.1869, 0.1172



Deuteranomaly

9.8619, 0.2747, 0.1796



Tritanomaly

11.9166, 0.4662, 0.2582

Monochromacy



Original Color

12.5906, 0.3635, 0.1776



Achromatopsia

6.6626, 0.3127, 0.3290



Achromatomaly

6.4440, 0.3387, 0.2133

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5906, 0.3635, 0.1776 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(184, 0, 156)` looks like.

```
.text, #text, p{  
    color:rgb(184, 0, 156)  
}
```

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(184, 0, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 0, 156) }
```

Border

The CSS property to change the border of an element to Yxy 12.5906, 0.3635, 0.1776 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(184, 0, 156) }
```

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

```
.border{ border-color:rgb(184, 0, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 0, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 0, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 0, 156);  
box-shadow:4px 4px 4px 4px rgb(184, 0,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5906, 0.3635, 0.1776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 0, 156) }
```

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

```
.background{ background-color: rgb(184, 0,  
156) }
```

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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