

Converting Colors

$Y_{xy}(12.7485, 0.3064, 0.1511)$

Have a look what the booklet for
Yxy(12.7485, 0.3064, 0.1511)
contains.

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Color

Yxy(12.7259, 0.3058, 0.1507)

Conversions

Conversions Part 1

Format	Color
Hex	AC15B7
RGB	172, 21, 183
RGB Percent	67%, 8%, 72%
CMY	0.3256, 0.9172, 0.2823
CMYK	0.06, 0.88, 0.00, 0.28
HSL	296°, 79%, 40%
HSV	296°, 88%, 72%
XYZ	25.8234, 12.7259, 45.8960
YIQ	84.6170, 37.9940, 82.3940

Conversions

Conversions Part 2

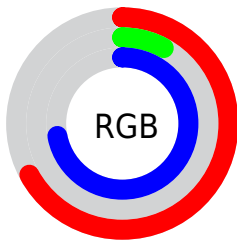
Format	Color
R _Y B	172, 21, 183
Decimal	11277751
CIE Lab	42.35, 72.34, -49.36
CIE LCh	42, 87.576, 325.694
Yxy	12.7259, 0.3058, 0.1507
Android (android.graphics.Color)	4289467831 (0xFFAC15B7)
YUV	84.6170, 48.5028, 76.6349
Hunter-Lab	35.6734, 66.7847, -51.3089

Details

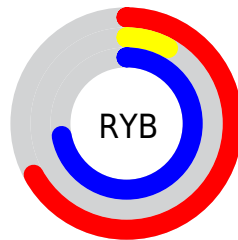
The Yxy color **12.7259, 0.3058, 0.1507** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **34.2318, 0.3031, 0.5872**, and the grayscale version is **8.9040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7624, 0.3106, 0.1822**, and **5.2298, 0.2945, 0.1396** is the 20% darker color. If you saturate the color by 10%, you get **12.1066, 0.3041, 0.1455**, and if you desaturate by 10%, it is **13.8060, 0.3074, 0.1597**.

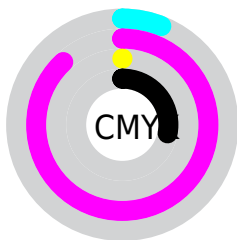
Distribution



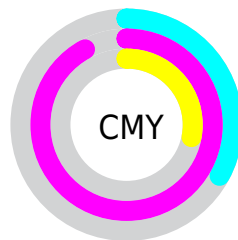
- Red (67%)
- Green (8%)
- Blue (72%)



- Red (67%)
- Yellow (8%)
- Blue (72%)



- Cyan (6%)
- Magenta (88%)
- Yellow (0%)
- Black (28%)





- Cyan (33%)
- Magenta (92%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7259, 0.3058, 0.1507 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 12.7259, 0.3058, 0.1507 by changing the saturation by 10% instead.


 12.7259, 0.3058,
0.1507


 12.7259, 0.3058,
0.1507


209.1535, 0.3152,
0.2404


 7.2401, 0.3011,
0.1296


 30.8105, 0.3109,
0.1827


 3.6127, 0.2934,
0.1039


 44.1780, 0.3123,
0.1950


 1.4594, 0.2804,
0.0731

 60.9415, 0.3132,
0.2054

 0.2599, 0.2606,
0.0257

 81.4855, 0.3139,
0.2144

 0.0000, 0.2151,
0.0000

 106.1943, 0.3144,
0.2222

 0.0000, 0.0000,
0.0000

 135.4523, 0.3147,

0.2290

169.6439, 0.3150,
0.2351

■ 12.7259, 0.3058,
0.1507

■ 12.7259, 0.3058,
0.1507

■ 12.1066, 0.3041,
0.1455

■ 13.8060, 0.3074,
0.1597

■ 12.0241, 0.3039,
0.1448

■ 15.4681, 0.3088,
0.1730

■ 17.7859, 0.3100,
0.1903

■ 20.8222, 0.3110,
0.2109

■ 24.6323, 0.3117,
0.2340

■ 29.2659, 0.3123,
0.2585

■ 34.7689, 0.3126,
0.2837

■ 41.1836, 0.3127,
0.3086

■ 48.5495, 0.3127,
0.3326

Harmonies

Analogous

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



12.7259, 0.1678, 0.1158



12.7259, 0.3058, 0.1507



12.7259, 0.5008, 0.2155

Triad

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



12.7259, 0.3058, 0.1507



12.7259, 0.5067, 0.4933



12.7259, 0.0740, 0.2408

Complementary

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



12.7259, 0.3058, 0.1507



34.2318, 0.3031, 0.5872

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.



12.7259, 0.1228, 0.4644



12.7259, 0.3058, 0.1507



12.7259, 0.3678, 0.6322

Square

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



12.7259, 0.3058, 0.1507



12.7259, 0.6185, 0.3801



12.7259, 0.2310, 0.6723



12.7259, 0.0702, 0.1423

Rectangle

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



12.7259, 0.3058, 0.1507



12.7259, 0.6035, 0.2667



12.7259, 0.2310, 0.6723



12.7259, 0.0838, 0.3001

Sweetspot

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



12.7265, 0.3058, 0.1507



53.3438, 0.3123, 0.2611



4.7585, 0.1590, 0.0801



11.1099, 0.3121, 0.2526



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.



12.7265, 0.3058, 0.1507



21.4932, 0.3036, 0.1446



11.8584, 0.4388, 0.2270



9.1308, 0.3127, 0.3064



8.4001, 0.3041, 0.1449



0.3055, 0.3087, 0.1474

Inverse Universe

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



10.7131, 0.6050, 0.3230



18.0683, 0.6345, 0.3269



34.7425, 0.2765, 0.5047



9.0219, 0.3277, 0.3275



7.0464, 0.6313, 0.3251



0.2518, 0.5984, 0.3070

Previews

White Background



This preview shows how the Yxy color 12.7259, 0.3058, 0.1507 looks on a white background.

Color Contrast Check

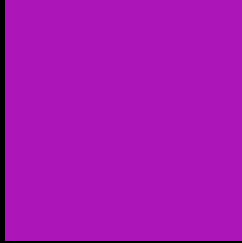
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.7259, 0.3058, 0.1507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

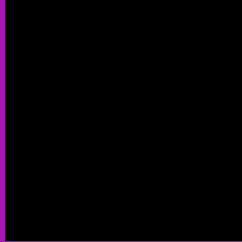
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.7259, 0.3058, 0.1507

Background



This preview shows how black text looks on a background with the Yxy color 12.7259, 0.3058, 0.1507.



This preview shows how white text looks on a background with the Yxy color 12.7259, 0.3058, 0.1507.

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

12.7259, 0.3058, 0.1507

Protanopia

13.2404, 0.1744, 0.1477

Deuteranopia

13.1343, 0.1996, 0.1947



Tritanopia

12.9357, 0.4564, 0.3216

Trichromacy



Original Color

12.7259, 0.3058, 0.1507



Protanomaly

9.5143, 0.1840, 0.1213



Deuteranomaly

10.2794, 0.2201, 0.1525



Tritanomaly

11.9092, 0.3987, 0.2388

Monochromacy



Original Color

12.7259, 0.3058, 0.1507



Achromatopsia

9.0842, 0.3127, 0.3290



Achromatomaly

8.6076, 0.3111, 0.2141

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7259, 0.3058, 0.1507 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(172, 21, 183)` looks like.

```
.text, #text, p{  
    color:rgb(172, 21, 183)  
}
```

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(172, 21, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 21, 183) }
```

Border

The CSS property to change the border of an element to Yxy 12.7259, 0.3058, 0.1507 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(172, 21, 183) }
```

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

```
.border{ border-color:rgb(172, 21, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 21, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 21, 183); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 21, 183); box-shadow:4px 4px 4px 4px rgb(172, 21, 183) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7259, 0.3058, 0.1507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 21, 183) }
```

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

```
.background{ background-color: rgb(172, 21,  
183) }
```

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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