

Converting Colors

$Y_{xy}(13.7855, 0.3282, 0.1582)$

Have a look what the booklet for
Yxy(13.7855, 0.3282, 0.1582)
contains.

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Color

Yxy(13.7753, 0.3277, 0.1579)

Conversions

Conversions Part 1

Format	Color
Hex	BA00B5
RGB	186, 0, 181
RGB Percent	73%, 0%, 71%
CMY	0.2706, 0.9997, 0.2901
CMYK	0.00, 1.00, 0.03, 0.27
HSL	302°, 100%, 36%
HSV	302°, 100%, 73%
XYZ	28.5888, 13.7753, 44.8766
YIQ	76.2480, 52.7550, 95.7230

Conversions

Conversions Part 2

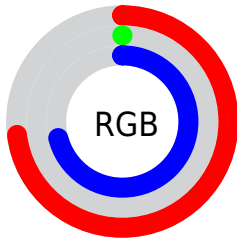
Format	Color
RYB	186, 0, 181
Decimal	12189877
CIELab	43.91, 76.78, -45.55
CIELCh	44, 89.274, 329.323
Yxy	13.7753, 0.3277, 0.1579
Android (android.graphics.Color)	4290379957 (0xFFBA00B5)
YUV	76.2480, 51.6427, 96.2525
Hunter-Lab	37.1151, 72.5424, -45.7082

Details

The Yxy color **13.7753, 0.3277, 0.1579** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **35.1235, 0.2995, 0.5983**, and the grayscale version is **7.1800, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7453, 0.3274, 0.1883**, and **6.1215, 0.3228, 0.1552** is the 20% darker color. If you saturate the color by 10%, you get **13.7741, 0.3277, 0.1579**, and if you desaturate by 10%, it is **14.2496, 0.3268, 0.1613**.

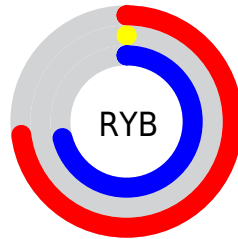
Distribution



Red (73%)

Green (0%)

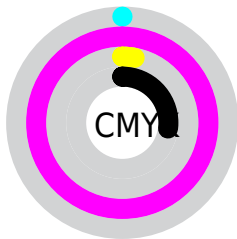
Blue (71%)



Red (73%)

Yellow (0%)

Blue (71%)

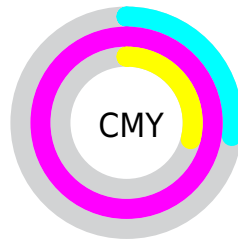


Cyan (0%)

Magenta (100%)

Yellow (3%)

Black (27%)



Cyan (27%)


Magenta (100%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.7753, 0.3277, 0.1579 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 13.7753, 0.3277, 0.1579 by changing the saturation by 10% instead.


 13.7753, 0.3277,
0.1579


 13.7753, 0.3277,
0.1579


215.8284, 0.3244,
0.2437


 7.9645, 0.3267,
0.1376


 32.6898, 0.3278,
0.1886


 4.0723, 0.3241,
0.1127


 46.5623, 0.3274,
0.2003


 1.7141, 0.3182,
0.0824


 63.8909, 0.3269,
0.2103

 0.4327, 0.3073,
0.0407

 85.0600, 0.3264,
0.2189

 0.0000, 0.2795,
0.0000

 110.4538, 0.3259,
0.2263

 0.0000, 0.1246,
0.0000

 140.4569, 0.3254,

 0.0000, 0.0000,

0.2328

0.0000

175.4537, 0.3249,
0.2386

■ 13.7753, 0.3277,
0.1579

■ 13.7753, 0.3277,
0.1579

■ 13.7741, 0.3277,
0.1579

■ 14.2496, 0.3268,
0.1613

■ 15.1557, 0.3257,
0.1681

■ 16.6521, 0.3243,
0.1791

■ 18.8176, 0.3228,
0.1942

■ 21.7188, 0.3212,
0.2129

■ 25.4141, 0.3194,
0.2342

■ 29.9562, 0.3177,
0.2574

■ 35.3934, 0.3159,
0.2814

■ 41.7700, 0.3143,
0.3056

Harmonies

Analogous

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



13.7753, 0.1811, 0.1192



13.7753, 0.3277, 0.1579



13.7753, 0.5218, 0.2253

Triad

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



13.7753, 0.3277, 0.1579



13.7753, 0.4904, 0.5096



13.7753, 0.0726, 0.2241

Complementary

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



13.7753, 0.3277, 0.1579



35.1235, 0.2995, 0.5983

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.



13.7753, 0.1147, 0.4307



13.7753, 0.3277, 0.1579



13.7753, 0.3527, 0.6473

Square

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



13.7753, 0.3277, 0.1579



13.7753, 0.6074, 0.3926



13.7753, 0.2169, 0.6579



13.7753, 0.0727, 0.1370

Rectangle

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



13.7753, 0.3277, 0.1579



13.7753, 0.6136, 0.2767



13.7753, 0.2169, 0.6579



13.7753, 0.0806, 0.2773

Sweetspot

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



13.7760, 0.3277, 0.1579



53.8214, 0.3178, 0.2561



3.5668, 0.1505, 0.0603



11.0494, 0.3185, 0.2462



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.



13.7760, 0.3277, 0.1579



24.9645, 0.3278, 0.1580



11.1762, 0.5030, 0.2545



9.1585, 0.3142, 0.3071



9.2702, 0.3276, 0.1578



0.3281, 0.3258, 0.1568

Inverse Universe

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



13.7760, 0.3277, 0.1579



24.9645, 0.3278, 0.1580



35.9594, 0.2709, 0.4951



9.1585, 0.3142, 0.3071



9.2702, 0.3276, 0.1578



0.3281, 0.3258, 0.1568

Previews

White Background



This preview shows how the Yxy color 13.7753, 0.3277, 0.1579 looks on a white background.

Color Contrast Check

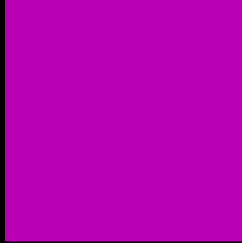
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.7753, 0.3277, 0.1579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

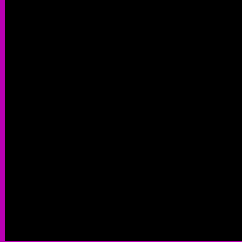
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.7753, 0.3277, 0.1579

Background



This preview shows how black text looks on a background with the Yxy color 13.7753, 0.3277, 0.1579.



This preview shows how white text looks on a background with the Yxy color 13.7753, 0.3277, 0.1579.

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

13.7753, 0.3277, 0.1579

Protanopia

14.4606, 0.1741, 0.1469

Deuteranopia

14.4393, 0.2136, 0.2084



Tritanopia

14.1422, 0.4846, 0.3227

Trichromacy



Original Color

13.7753, 0.3277, 0.1579



Protanomaly

9.3213, 0.1838, 0.1138



Deuteranomaly

10.4498, 0.2388, 0.1540



Tritanomaly

12.6754, 0.4305, 0.2418

Monochromacy



Original Color

13.7753, 0.3277, 0.1579



Achromatopsia

7.2272, 0.3127, 0.3290



Achromatomaly

7.0418, 0.3226, 0.2011

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7753, 0.3277, 0.1579 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(186, 0, 181)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 181)  
}
```

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(186, 0, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 181) }
```

Border

The CSS property to change the border of an element to Yxy 13.7753, 0.3277, 0.1579 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(186, 0, 181) }
```

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

```
.border{ border-color:rgb(186, 0, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 0, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 181);  
box-shadow:4px 4px 4px 4px rgb(186, 0,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7753, 0.3277, 0.1579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 0, 181) }
```

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

```
.background{ background-color: rgb(186, 0,  
181) }
```

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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