

Converting Colors

$Y_{xy}(15.7070, 0.3571, 0.1992)$

Have a look what the booklet for
Yxy(15.7070, 0.3571, 0.1992)
contains.

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Color

Yxy(15.7412, 0.3577, 0.2000)

Conversions

Conversions Part 1

Format	Color
Hex	BB36A0
RGB	187, 54, 160
RGB Percent	73%, 21%, 63%
CMY	0.2668, 0.7881, 0.3726
CMYK	0.00, 0.71, 0.14, 0.27
HSL	312°, 55%, 47%
HSV	312°, 71%, 73%
XYZ	28.1531, 15.7412, 34.8117
YIQ	105.8510, 45.2420, 61.1620

Conversions

Conversions Part 2

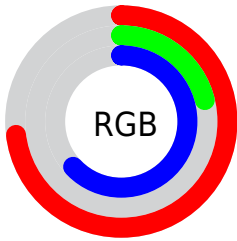
Format	Color
R_{YB}	187, 54, 160
Decimal	12269216
CIE _{Lab}	46.63, 63.33, -28.77
CIE _{LCh}	47, 69.556, 335.568
Yxy	15.7412, 0.3577, 0.2000
Android (android.graphics.Color)	4290459296 (0xFFBB36A0)
YUV	105.8510, 26.6955, 71.1677
Hunter-Lab	39.6752, 57.2304, -24.2494

Details

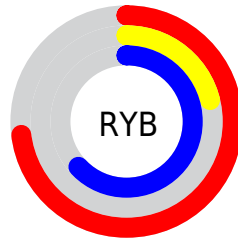
The Yxy color **15.7412, 0.3577, 0.2000** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **36.9099, 0.2905, 0.5162**, and the grayscale version is **14.2914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0875, 0.3494, 0.2249**, and **5.8285, 0.3674, 0.1798** is the 20% darker color. If you saturate the color by 10%, you get **14.1914, 0.3656, 0.1914**, and if you desaturate by 10%, it is **17.9655, 0.3498, 0.2128**.

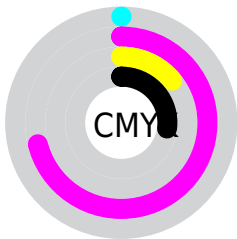
Distribution



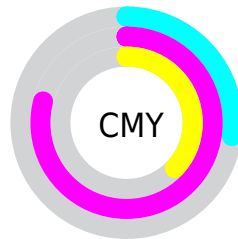
- Red (73%)
- Green (21%)
- Blue (63%)



- Red (73%)
- Yellow (21%)
- Blue (63%)



- Cyan (0%)
- Magenta (71%)
- Yellow (14%)
- Black (27%)




- Cyan (27%)
- Magenta (79%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.7412, 0.3577, 0.2000 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 15.7412, 0.3577, 0.2000 by changing the saturation by 10% instead.


 15.7412, 0.3577,
0.2000


 15.7412, 0.3577,
0.2000


227.8097, 0.3349,
0.2675


 9.3412, 0.3632,
0.1826


 36.1483, 0.3495,
0.2250


 4.9644, 0.3701,
0.1602


 50.9243, 0.3464,
0.2343


 2.2264, 0.3786,
0.1306


 69.2609, 0.3437,
0.2421

 0.7343, 0.3889,
0.0902

 91.5428, 0.3415,
0.2487

 0.0000, 0.4141,
0.0000

 118.1542, 0.3395,
0.2544

 0.0000, 0.2584,
0.0000

149.4796, 0.3378,

 0.0000, 0.0000,

0.2593

0.0000

185.9033, 0.3363,
0.2637

■ 15.7412, 0.3577,
0.2000

■ 15.7412, 0.3577,
0.2000

■ 14.1914, 0.3656,
0.1914

■ 17.9655, 0.3498,
0.2128

■ 13.2322, 0.3734,
0.1873

■ 20.9306, 0.3422,
0.2288

■ 12.7326, 0.3801,
0.1867

■ 24.6975, 0.3350,
0.2473

■ 29.3201, 0.3285,
0.2670

■ 34.8478, 0.3227,
0.2873

■ 41.3260, 0.3176,
0.3075

■ 48.7972, 0.3132,
0.3269

■ 57.3013, 0.3094,
0.3454

■ 66.8760, 0.3061,
0.3627

Harmonies

Analogous

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



15.7412, 0.2294, 0.1588



15.7412, 0.3577, 0.2000



15.7412, 0.4984, 0.2644

Triad

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



15.7412, 0.3577, 0.2000



15.7412, 0.4563, 0.5180



15.7412, 0.1092, 0.2327

Complementary

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



15.7412, 0.3577, 0.2000



36.9099, 0.2905, 0.5162

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.



15.7412, 0.1449, 0.3708



15.7412, 0.3577, 0.2000



15.7412, 0.3432, 0.5877

Square

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



15.7412, 0.3577, 0.2000



15.7412, 0.5446, 0.4229



15.7412, 0.2296, 0.5388



15.7412, 0.1125, 0.1660

Rectangle

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



15.7412, 0.3577, 0.2000



15.7412, 0.5579, 0.3136



15.7412, 0.2296, 0.5388



15.7412, 0.1161, 0.2701

Sweetspot

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



15.7420, 0.3577, 0.2000



62.1700, 0.3228, 0.2868



7.9620, 0.1966, 0.1147



13.0519, 0.3244, 0.2812



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.



15.7420, 0.3577, 0.2000



24.3957, 0.3698, 0.1886



14.0107, 0.4779, 0.2810



9.6622, 0.3168, 0.3109



8.7860, 0.3792, 0.1863



0.3527, 0.3628, 0.1772

Inverse Universe

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



15.7420, 0.3577, 0.2000



24.3957, 0.3698, 0.1886



38.4251, 0.2539, 0.3971



9.6622, 0.3168, 0.3109



8.7860, 0.3792, 0.1863



0.3527, 0.3628, 0.1772

Previews

White Background



This preview shows how the Yxy color 15.7412, 0.3577, 0.2000 looks on a white background.

Color Contrast Check

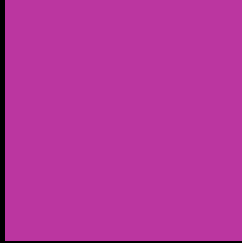
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.7412, 0.3577, 0.2000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

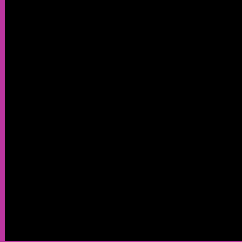
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.7412, 0.3577, 0.2000

Background



This preview shows how black text looks on a background with the Yxy color 15.7412, 0.3577, 0.2000.



This preview shows how white text looks on a background with the Yxy color 15.7412, 0.3577, 0.2000.

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

15.7412, 0.3577, 0.2000

Protanopia

16.1735, 0.1937, 0.1700

Deuteranopia

16.0715, 0.2545, 0.2495



Tritanopia

15.7766, 0.4726, 0.3227

Trichromacy



Original Color

15.7412, 0.3577, 0.2000

Protanomaly

13.7794, 0.2276, 0.1674

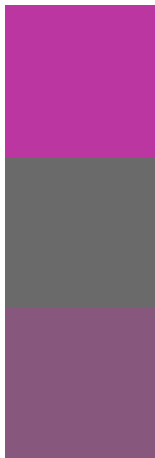
Deuteranomaly

14.5042, 0.2858, 0.2189

Tritanomaly

15.4712, 0.4323, 0.2727

Monochromacy



Original Color

15.7412, 0.3577, 0.2000

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

13.4736, 0.3296, 0.2587

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7412, 0.3577, 0.2000 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(187, 54, 160)` looks like.

```
.text, #text, p{  
    color:rgb(187, 54, 160)  
}
```

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(187, 54, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 54, 160) }
```

Border

The CSS property to change the border of an element to Yxy 15.7412, 0.3577, 0.2000 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(187, 54, 160) }
```

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

```
.border{ border-color:rgb(187, 54, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 54, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 54, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 54, 160);  
box-shadow:4px 4px 4px 4px rgb(187, 54,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7412, 0.3577, 0.2000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 54, 160) }
```

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

```
.background{ background-color: rgb(187, 54,  
160) }
```

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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