

Converting Colors

$Y_{xy}(15.5568, 0.3172, 0.1709)$

Have a look what the booklet for
Yxy(15.5568, 0.3172, 0.1709)
contains.

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Color

Yxy(15.5657, 0.3162, 0.1706)

Conversions

Conversions Part 1

Format	Color
Hex	B532B8
RGB	181, 50, 184
RGB Percent	71%, 20%, 72%
CMY	0.2901, 0.8040, 0.2785
CMYK	0.02, 0.73, 0.00, 0.28
HSL	299°, 57%, 46%
HSV	299°, 73%, 72%
XYZ	28.8504, 15.5657, 46.8248
YIQ	104.4450, 35.0620, 69.4460

Conversions

Conversions Part 2

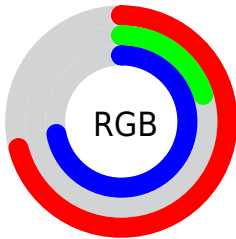
Format	Color
R_{YB}	181, 50, 184
Decimal	11875000
CIE _{Lab}	46.40, 67.06, -43.38
CIE _{LCh}	46, 79.870, 327.105
Yxy	15.5657, 0.3162, 0.1706
Android (android.graphics.Color)	4290065080 (0xFFB532B8)
YUV	104.4450, 39.2206, 67.1387
Hunter-Lab	39.4534, 61.4851, -42.7503

Details

The Yxy color **15.5657, 0.3162, 0.1706** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **35.2622, 0.3032, 0.5575**, and the grayscale version is **13.8537, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.8134, 0.3179, 0.1987**, and **5.8968, 0.3097, 0.1480** is the 20% darker color. If you saturate the color by 10%, you get **14.2480, 0.3160, 0.1601**, and if you desaturate by 10%, it is **17.5168, 0.3162, 0.1852**.

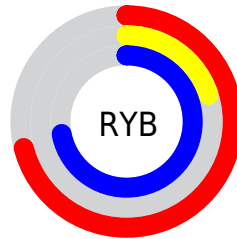
Distribution



Red (71%)

Green (20%)

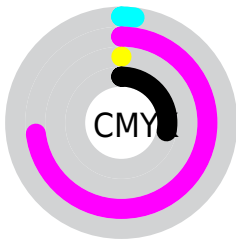
Blue (72%)



Red (71%)

Yellow (20%)

Blue (72%)

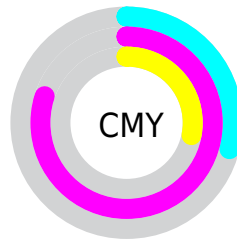


Cyan (2%)

Magenta (73%)

Yellow (0%)

Black (28%)



Cyan (29%)


Magenta (80%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.5657, 0.3162, 0.1706 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 15.5657, 0.3162, 0.1706 by changing the saturation by 10% instead.


 15.5657, 0.3162,
0.1706


 15.5657, 0.3162,
0.1706


226.7652, 0.3185,
0.2504

 9.2174, 0.3140,
0.1514


 35.8426, 0.3182,
0.1993


 4.8832, 0.3100,
0.1277


 50.5399, 0.3186,
0.2102


 2.1789, 0.3026,
0.0982


 68.7890, 0.3188,
0.2194

 0.7085, 0.2885,
0.0614

 90.9743, 0.3188,
0.2274

 0.0000, 0.2647,
0.0000

 117.4802, 0.3188,
0.2343

 0.0000, 0.1237,
0.0000

148.6910, 0.3188,

 0.0000, 0.0000,

0.2403

0.0000

184.9912, 0.3187,
0.2456

■ 15.5657, 0.3162,
0.1706

■ 15.5657, 0.3162,
0.1706

■ 14.2480, 0.3160,
0.1601

■ 17.5168, 0.3162,
0.1852

■ 13.4806, 0.3157,
0.1538

■ 20.1669, 0.3160,
0.2036

■ 13.1527, 0.3154,
0.1511

■ 23.5757, 0.3156,
0.2250

■ 27.7958, 0.3150,
0.2484

■ 32.8755, 0.3144,
0.2730

■ 38.8588, 0.3137,
0.2978

■ 45.7872, 0.3129,
0.3222

■ 53.6994, 0.3122,
0.3457

■ 62.6318, 0.3114,
0.3678

Harmonies

Analogous

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



15.5657, 0.1885, 0.1355



15.5657, 0.3162, 0.1706



15.5657, 0.4832, 0.2332

Triad

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



15.5657, 0.3162, 0.1706



15.5657, 0.4982, 0.5013



15.5657, 0.0949, 0.2508

Complementary

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



15.5657, 0.3162, 0.1706



35.2622, 0.3032, 0.5575

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.



15.5657, 0.1437, 0.4345



15.5657, 0.3162, 0.1706



15.5657, 0.3714, 0.6044

Square

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



15.5657, 0.3162, 0.1706



15.5657, 0.5845, 0.3927



15.5657, 0.2461, 0.6122



15.5657, 0.0902, 0.1608

Rectangle

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



15.5657, 0.3162, 0.1706



15.5657, 0.5696, 0.2832



15.5657, 0.2461, 0.6122



15.5657, 0.1052, 0.3014

Sweetspot

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



15.5664, 0.3162, 0.1706



60.0689, 0.3144, 0.2741



6.8189, 0.1761, 0.1062



12.3787, 0.3145, 0.2675



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.



15.5664, 0.3162, 0.1706



24.9372, 0.3159, 0.1561



13.8608, 0.4213, 0.2395



9.1523, 0.3134, 0.3064



9.0703, 0.3155, 0.1512



0.3230, 0.3170, 0.1520

Inverse Universe

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



12.7258, 0.5531, 0.3267



19.5873, 0.6135, 0.3279



36.1356, 0.2714, 0.4582



9.0154, 0.3284, 0.3285



7.0307, 0.6372, 0.3284



0.2489, 0.6257, 0.3220

Previews

White Background



This preview shows how the Yxy color 15.5657, 0.3162, 0.1706 looks on a white background.

Color Contrast Check

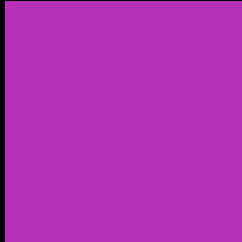
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.5657, 0.3162, 0.1706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

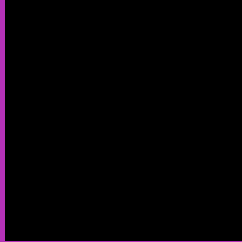
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.5657, 0.3162, 0.1706

Background



This preview shows how black text looks on a background with the Yxy color 15.5657, 0.3162, 0.1706.



This preview shows how white text looks on a background with the Yxy color 15.5657, 0.3162, 0.1706.

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

15.5657, 0.3162, 0.1706

Protanopia

16.0614, 0.1739, 0.1461

Deuteranopia

15.9599, 0.2175, 0.2126



Tritanopia

15.6080, 0.4445, 0.3219

Trichromacy



Original Color

15.5657, 0.3162, 0.1706



Protanomaly

12.5170, 0.1864, 0.1346



Deuteranomaly

13.9365, 0.2430, 0.1826



Tritanomaly

15.0886, 0.3951, 0.2547

Monochromacy



Original Color

15.5657, 0.3162, 0.1706



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

12.9396, 0.3153, 0.2412

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5657, 0.3162, 0.1706 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(181, 50, 184)` looks like.

```
.text, #text, p{  
    color:rgb(181, 50, 184)  
}
```

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(181, 50, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 50, 184) }
```

Border

The CSS property to change the border of an element to Yxy 15.5657, 0.3162, 0.1706 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(181, 50, 184) }
```

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

```
.border{ border-color:rgb(181, 50, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 50, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 50, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 50, 184);  
box-shadow:4px 4px 4px 4px rgb(181, 50,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 15.5657, 0.3162, 0.1706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 50, 184) }
```

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

```
.background{ background-color: rgb(181, 50,  
184) }
```

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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