

Converting Colors

$Y_{xy}(18.5587, 0.3224, 0.1950)$

Have a look what the booklet for
Yxy(18.5587, 0.3224, 0.1950)
contains.

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Color

Yxy(18.5587, 0.3228, 0.1956)

Conversions

Conversions Part 1

Format	Color
Hex	B84BB5
RGB	184, 75, 181
RGB Percent	72%, 29%, 71%
CMY	0.2784, 0.7059, 0.2901
CMYK	0.00, 0.59, 0.02, 0.28
HSL	302°, 43%, 51%
HSV	302°, 59%, 72%
XYZ	30.6275, 18.5587, 45.6946
YIQ	119.6750, 30.9380, 56.0740

Conversions

Conversions Part 2

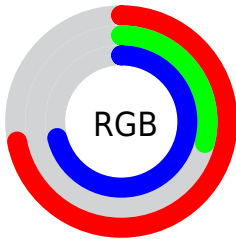
Format	Color
RYB	184, 75, 181
Decimal	12078005
CIELab	50.17, 57.59, -35.66
CIELCh	50, 67.733, 328.235
Yxy	18.5587, 0.3228, 0.1956
Android (android.graphics.Color)	4290268085 (0xFFB84BB5)
YUV	119.6750, 30.2332, 56.4130
Hunter-Lab	43.0798, 51.5147, -32.7329

Details

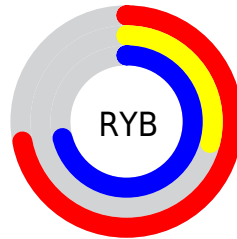
The Yxy color **18.5587, 0.3228, 0.1956** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **36.3317, 0.3024, 0.5129**, and the grayscale version is **18.5672, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9569, 0.3225, 0.2205**, and **6.3214, 0.3208, 0.1574** is the 20% darker color. If you saturate the color by 10%, you get **16.3939, 0.3244, 0.1802**, and if you desaturate by 10%, it is **21.4470, 0.3211, 0.2145**.

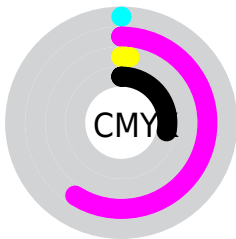
Distribution



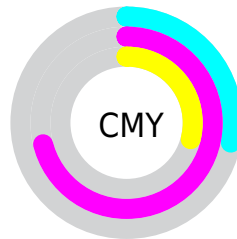
- Red (72%)
- Green (29%)
- Blue (71%)



- Red (72%)
- Yellow (29%)
- Blue (71%)



- Cyan (0%)
- Magenta (59%)
- Yellow (2%)
- Black (28%)





- Cyan (28%)
- Magenta (71%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5587, 0.3228, 0.1956 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 18.5587, 0.3228, 0.1956 by changing the saturation by 10% instead.


 18.5587, 0.3228,
0.1956

 18.5587, 0.3228,
0.1956


244.0016, 0.3202,
0.2634


 11.3518, 0.3224,
0.1788


 40.9871, 0.3226,
0.2202


 6.3040, 0.3212,
0.1577


 56.9774, 0.3223,
0.2295

 3.0308, 0.3183,
0.1304


 76.6643, 0.3219,
0.2373

 1.1478, 0.3113,
0.0950

 100.4321, 0.3215,
0.2440

 0.0185, 0.3088,
0.0036

 128.6654, 0.3212,
0.2499

 0.0000, 0.2156,
0.0000

161.7485, 0.3208,

 0.0000, 0.0000,

0.2549

0.0000

200.0658, 0.3205,
0.2594

■ 18.5587, 0.3228,
0.1956

■ 18.5587, 0.3228,
0.1956

■ 16.3939, 0.3244,
0.1802

■ 21.4470, 0.3211,
0.2145

■ 14.8858, 0.3257,
0.1689

■ 25.1129, 0.3193,
0.2360

■ 13.9599, 0.3269,
0.1618

■ 29.6080, 0.3176,
0.2592

■ 13.4767, 0.3278,
0.1582

■ 34.9790, 0.3158,
0.2832

■ 13.4451, 0.3279,
0.1580

■ 41.2692, 0.3142,
0.3073

■ 48.5187, 0.3126,
0.3307

■ 56.7655, 0.3112,
0.3531

■ 66.0455, 0.3099,
0.3741

■ 76.3928, 0.3087,
0.3935

Harmonies

Analogous

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



18.5587, 0.2125, 0.1625



18.5587, 0.3228, 0.1956



18.5587, 0.4558, 0.2531

Triad

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



18.5587, 0.3228, 0.1956



18.5587, 0.4751, 0.4891



18.5587, 0.1251, 0.2661

Complementary

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



18.5587, 0.3228, 0.1956



36.3317, 0.3024, 0.5129

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.



18.5587, 0.1719, 0.4079



18.5587, 0.3228, 0.1956



18.5587, 0.3729, 0.5609

Square

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



18.5587, 0.3228, 0.1956



18.5587, 0.5445, 0.4023



18.5587, 0.2630, 0.5444



18.5587, 0.1191, 0.1870

Rectangle

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



18.5587, 0.3228, 0.1956



18.5587, 0.5243, 0.2996



18.5587, 0.2630, 0.5444



18.5587, 0.1355, 0.3070

Sweetspot

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



18.5595, 0.3228, 0.1956



64.4064, 0.3157, 0.2855



10.0614, 0.2007, 0.1421



13.2311, 0.3162, 0.2785



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.



18.5595, 0.3228, 0.1956



28.7922, 0.3248, 0.1765



16.7727, 0.4018, 0.2576



9.1584, 0.3142, 0.3071



9.2666, 0.3278, 0.1579



0.3280, 0.3259, 0.1569

Inverse Universe

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



18.5595, 0.3228, 0.1956



28.7922, 0.3248, 0.1765



37.4293, 0.2711, 0.4199



9.1584, 0.3142, 0.3071



9.2666, 0.3278, 0.1579



0.3280, 0.3259, 0.1569

Previews

White Background



This preview shows how the Yxy color 18.5587, 0.3228, 0.1956 looks on a white background.

Color Contrast Check

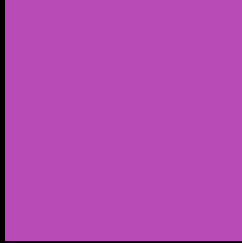
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 18.5587, 0.3228, 0.1956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

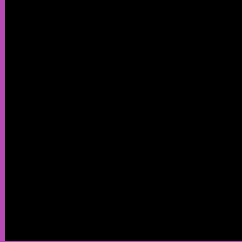
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.5587, 0.3228, 0.1956

Background



This preview shows how black text looks on a background with the Yxy color 18.5587, 0.3228, 0.1956.



This preview shows how white text looks on a background with the Yxy color 18.5587, 0.3228, 0.1956.

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

18.5587, 0.3228, 0.1956

Protanopia

19.0866, 0.1967, 0.1743

Deuteranopia

18.8463, 0.2386, 0.2333



Tritanopia

18.4590, 0.4200, 0.3189

Trichromacy



Original Color

18.5587, 0.3228, 0.1956

Protanomaly

17.2900, 0.2243, 0.1737

Deuteranomaly

17.5419, 0.2625, 0.2108

Tritanomaly

18.0831, 0.3837, 0.2674

Monochromacy



Original Color

18.5587, 0.3228, 0.1956

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

17.6933, 0.3170, 0.2651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5587, 0.3228, 0.1956 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, 75, 181)` looks like.

```
.text, #text, p{  
    color:rgb(184, 75, 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(184, 75, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 75, 181) }
```

Border

The CSS property to change the border of an element to Yxy 18.5587, 0.3228, 0.1956 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, 75, 181) }
```

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

```
.border{ border-color:rgb(184, 75, 181) }
```

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

Here you see how a box with a 4 pixel rgb(184, 75, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 75, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 75, 181);  
box-shadow:4px 4px 4px 4px rgb(184, 75,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5587, 0.3228, 0.1956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 75, 181) }
```

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

```
.background{ background-color: rgb(184, 75,  
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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