

Converting Colors

$Y_{xy}(18.3244, 0.2400, 0.1216)$

Have a look what the booklet for
Yxy(18.3244, 0.2400, 0.1216)
contains.

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Color

Yxy(18.3583, 0.2403, 0.1217)

Conversions

Conversions Part 1

Format	Color
Hex	AC33FF
RGB	172, 51, 255
RGB Percent	67%, 20%, 100%
CMY	0.3254, 0.8001, 0.0000
CMYK	0.33, 0.80, 0.00, 0.00
HSL	276°, 100%, 60%
HSV	276°, 80%, 100%
XYZ	36.2490, 18.3583, 96.2415
YIQ	110.4350, 6.6320, 89.0960

Conversions

Conversions Part 2

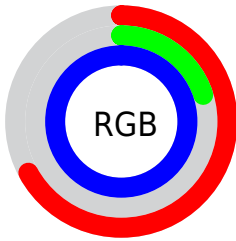
Format	Color
RYB	172, 51, 255
Decimal	11285503
CIELab	49.93, 78.42, -78.27
CIELCh	50, 110.800, 315.056
Yxy	18.3583, 0.2403, 0.1217
Android (android.graphics.Color)	4289475583 (0xFFAC33FF)
YUV	110.4350, 71.2705, 53.9925
Hunter-Lab	42.8466, 76.0326, -103.1839

Details

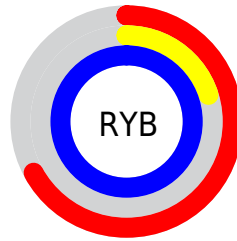
The Yxy color **18.3583, 0.2403, 0.1217** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **76.8250, 0.3334, 0.5546**, and the grayscale version is **15.5133, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1320, 0.2990, 0.1881**, and **7.4107, 0.2148, 0.0957** is the 20% darker color. If you saturate the color by 10%, you get **15.5802, 0.2297, 0.1077**, and if you desaturate by 10%, it is **22.4485, 0.2514, 0.1409**.

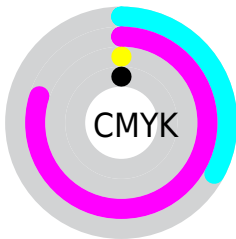
Distribution



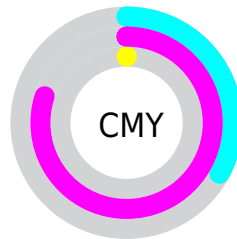
- Red (67%)
- Green (20%)
- Blue (100%)



- Red (67%)
- Yellow (20%)
- Blue (100%)



- Cyan (33%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (33%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3583, 0.2403, 0.1217 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 18.3583, 0.2403, 0.1217 by changing the saturation by 10% instead.


 18.3583, 0.2403,
0.1217


 18.3583, 0.2403,
0.1217


242.8829, 0.2836,
0.2143


 11.2075, 0.2284,
0.1032


 40.6469, 0.2571,
0.1520


 6.2066, 0.2129,
0.0823


 56.5536, 0.2631,
0.1644

 2.9711, 0.1925,
0.0593


 76.1476, 0.2681,
0.1753

 1.1167, 0.1652,
0.0353

 99.8135, 0.2723,
0.1850

 0.0000, 0.1307,
0.0000

 127.9355, 0.2758,
0.1935

 0.0000, 0.0831,
0.0000

160.8982, 0.2788,

 0.0000, 0.0000,

0.2012

0.0000

199.0859, 0.2813,
0.2081

■ 18.3583, 0.2403,
0.1217

■ 18.3583, 0.2403,
0.1217

■ 15.5802, 0.2297,
0.1077

■ 22.4485, 0.2514,
0.1409

■ 13.8256, 0.2199,
0.0985

■ 28.0261, 0.2625,
0.1645

■ 35.2399, 0.2732,
0.1911

■ 44.2200, 0.2832,
0.2196

■ 55.0826, 0.2922,
0.2485

67.9343, 0.3001,
0.2768

82.8731, 0.3069,
0.3038

99.9908, 0.3127,
0.3290

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



18.3583, 0.1240, 0.0977



18.3583, 0.2403, 0.1217



18.3583, 0.4418, 0.1781

Triad

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



18.3583, 0.2403, 0.1217



18.3583, 0.5589, 0.4411



18.3583, 0.0683, 0.2964

Complementary

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



18.3583, 0.2403, 0.1217



76.8250, 0.3334, 0.5546

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.



18.3583, 0.1364, 0.5928



18.3583, 0.2403, 0.1217



18.3583, 0.4083, 0.5917

Square

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



18.3583, 0.2403, 0.1217



18.3583, 0.6571, 0.3332



18.3583, 0.2594, 0.7192



18.3583, 0.0546, 0.1511

Rectangle

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



18.3583, 0.2403, 0.1217



18.3583, 0.5814, 0.2286



18.3583, 0.2594, 0.7192



18.3583, 0.0833, 0.3829

Sweetspot

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



18.3588, 0.2403, 0.1217



62.5551, 0.2971, 0.2656



25.5297, 0.1859, 0.1682



12.4216, 0.2942, 0.2555



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.3588, 0.2403, 0.1217



14.4520, 0.2238, 0.1018



29.7995, 0.3379, 0.1740



17.9104, 0.3072, 0.3051



7.3136, 0.2215, 0.0994



0.7760, 0.2325, 0.1054

Inverse Universe

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



25.3470, 0.4815, 0.2612



22.6023, 0.5289, 0.2708



72.6407, 0.2975, 0.5662



18.1096, 0.3230, 0.3194



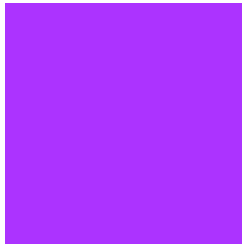
11.6559, 0.5356, 0.2724



1.1559, 0.5057, 0.2560

Previews

White Background



This preview shows how the Yxy color 18.3583, 0.2403, 0.1217 looks on a white background.

Color Contrast Check

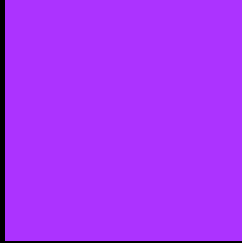
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3583, 0.2403, 0.1217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

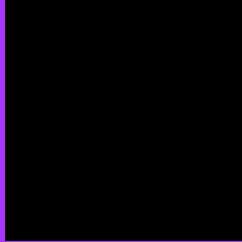
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3583, 0.2403, 0.1217

Background



This preview shows how black text looks on a background with the Yxy color 18.3583, 0.2403, 0.1217.



This preview shows how white text looks on a background with the Yxy color 18.3583, 0.2403, 0.1217.

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

18.3583, 0.2403, 0.1217

Protanopia

18.6723, 0.1741, 0.1467

Tritanopia

18.1891, 0.3562, 0.3153

Trichromacy



Original Color

18.3583, 0.2403, 0.1217



Protanomaly

15.4265, 0.1773, 0.1206



Tritanomaly

16.6743, 0.3039, 0.2103

Monochromacy



Original Color

18.3583, 0.2403, 0.1217



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

14.7756, 0.2793, 0.2079

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3583, 0.2403, 0.1217 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, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 51, 255)  
}
```

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, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 51, 255) }
```

Border

The CSS property to change the border of an element to Yxy 18.3583, 0.2403, 0.1217 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, 51, 255) }
```

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

```
.border{ border-color:rgb(172, 51, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(172, 51,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 18.3583, 0.2403, 0.1217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 51, 255) }
```

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

```
.background{ background-color: rgb(172, 51,  
255) }
```

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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