

Converting Colors

$Yxy(18.1356, 0.3651, 0.1785)$

Have a look what the booklet for
Yxy(18.1356, 0.3651, 0.1785)
contains.

Yxy(18.1706, 0.3655, 0.1787)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(18.1706, 0.3655, 0.1787)

Conversions

Conversions Part 1

Format	Color
Hex	D900B7
RGB	217, 0, 183
RGB Percent	85%, 0%, 72%
CMY	0.1490, 1.0000, 0.2824
CMYK	0.00, 1.00, 0.16, 0.15
HSL	309°, 100%, 43%
HSV	309°, 100%, 85%
XYZ	37.1648, 18.1706, 46.3467
YIQ	85.7450, 70.5890, 102.9170

Conversions

Conversions Part 2

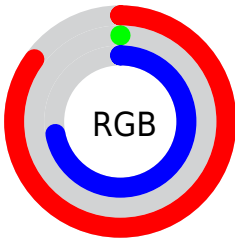
Format	Color
R_{YB}	217, 0, 183
Decimal	14221495
CIE _{Lab}	49.70, 82.42, -37.17
CIE _{LCh}	50, 90.416, 335.728
Yxy	18.1706, 0.3655, 0.1787
Android (android.graphics.Color)	4292411575 (0xFFD900B7)
YUV	85.7450, 47.9467, 115.1106
Hunter-Lab	42.6270, 81.0300, -34.6249

Details

The Yxy color **18.1706, 0.3655, 0.1787** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **49.7476, 0.2966, 0.5877**, and the grayscale version is **9.1356, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.4974, 0.3349, 0.1954**, and **8.7531, 0.3712, 0.1818** is the 20% darker color. If you saturate the color by 10%, you get **18.1724, 0.3655, 0.1787**, and if you desaturate by 10%, it is **18.8782, 0.3600, 0.1798**.

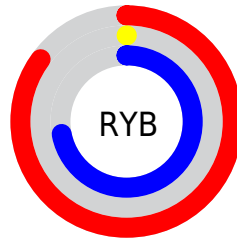
Distribution



Red (85%)

Green (0%)

Blue (72%)



Red (85%)

Yellow (0%)

Blue (72%)

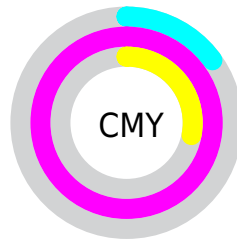


Cyan (0%)

Magenta (100%)

Yellow (16%)

Black (15%)



Cyan (15%)


Magenta (100%)

Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1706, 0.3655, 0.1787 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 18.1706, 0.3655, 0.1787 by changing the saturation by 10% instead.


 18.1706, 0.3655,
0.1787


 18.1706, 0.3655,
0.1787


241.8309, 0.3404,
0.2530


 11.0725, 0.3710,
0.1611


 40.3278, 0.3569,
0.2052


 6.1156, 0.3776,
0.1392


 56.1557, 0.3535,
0.2153

 2.9155, 0.3853,
0.1119


 75.6624, 0.3505,
0.2239

 1.0878, 0.3936,
0.0781

 99.2323, 0.3480,
0.2314

 0.0000, 0.4161,
0.0000

 127.2496, 0.3457,
0.2379

 0.0000, 0.3973,
0.0000

 160.0989, 0.3438,

 0.0000, 0.0000,

0.2435

0.0000

198.1645, 0.3420,
0.2486

■ 18.1706, 0.3655,
0.1787

■ 18.1706, 0.3655,
0.1787

■ 18.1724, 0.3655,
0.1787

■ 18.8782, 0.3600,
0.1798

■ 20.2197, 0.3542,
0.1847

■ 22.4054, 0.3482,
0.1942

■ 25.5515, 0.3421,
0.2079

■ 29.7562, 0.3362,
0.2250

■ 35.1053, 0.3305,
0.2445

■ 41.6760, 0.3253,
0.2654

■ 49.5387, 0.3206,
0.2870

■ 58.7585, 0.3164,
0.3083

Harmonies

Analogous

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



18.1706, 0.2128, 0.1340



18.1706, 0.3655, 0.1787



18.1706, 0.5405, 0.2486

Triad

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



18.1706, 0.3655, 0.1787



18.1706, 0.4631, 0.5369



18.1706, 0.0802, 0.2076

Complementary

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



18.1706, 0.3655, 0.1787



49.7476, 0.2966, 0.5877

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.



18.1706, 0.1130, 0.3742



18.1706, 0.3655, 0.1787



18.1706, 0.3283, 0.6414

Square

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



18.1706, 0.3655, 0.1787



18.1706, 0.5761, 0.4187



18.1706, 0.2029, 0.5992



18.1706, 0.0861, 0.1382

Rectangle

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



18.1706, 0.3655, 0.1787



18.1706, 0.6088, 0.3000



18.1706, 0.2029, 0.5992



18.1706, 0.0859, 0.2499

Sweetspot

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



18.1724, 0.3655, 0.1787



59.7718, 0.3254, 0.2649



5.3264, 0.1556, 0.0631



11.8884, 0.3276, 0.2558



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.



18.1724, 0.3655, 0.1787



26.1679, 0.3660, 0.1790



15.2748, 0.5604, 0.2861



13.2379, 0.3162, 0.3095



11.0121, 0.3647, 0.1783



0.7231, 0.3565, 0.1737

Inverse Universe

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



18.1724, 0.3655, 0.1787



26.1679, 0.3660, 0.1790



51.5568, 0.2581, 0.4491



13.2379, 0.3162, 0.3095



11.0121, 0.3647, 0.1783



0.7231, 0.3565, 0.1737

Previews

White Background



This preview shows how the Yxy color 18.1706, 0.3655, 0.1787 looks on a white background.

Color Contrast Check

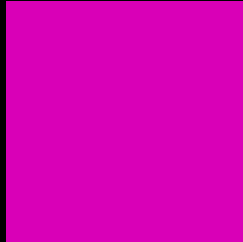
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.1706, 0.3655, 0.1787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

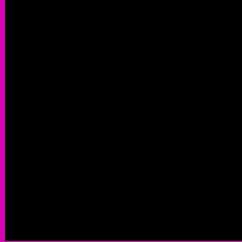
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.1706, 0.3655, 0.1787

Background



This preview shows how black text looks on a background with the Yxy color 18.1706, 0.3655, 0.1787.



This preview shows how white text looks on a background with the Yxy color 18.1706, 0.3655, 0.1787.

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

18.1706, 0.3655, 0.1787

Protanopia

19.1446, 0.1737, 0.1454

Deuteranopia

18.8815, 0.2417, 0.2365



Tritanopia

18.5664, 0.5194, 0.3254

Trichromacy



Original Color

18.1706, 0.3655, 0.1787



Protanomaly

11.8875, 0.1862, 0.1166



Deuteranomaly

14.1431, 0.2769, 0.1801



Tritanomaly

17.0407, 0.4698, 0.2588

Monochromacy



Original Color

18.1706, 0.3655, 0.1787



Achromatopsia

9.3059, 0.3127, 0.3290



Achromatomaly

9.1812, 0.3413, 0.2139

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1706, 0.3655, 0.1787 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(217, 0, 183)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 183)  
}
```

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(217, 0, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 183) }
```

Border

The CSS property to change the border of an element to Yxy 18.1706, 0.3655, 0.1787 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(217, 0, 183) }
```

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

```
.border{ border-color:rgb(217, 0, 183) }
```

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

Here you see how a box with a 4 pixel rgb(217, 0, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 183);  
box-shadow:4px 4px 4px 4px rgb(217, 0,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1706, 0.3655, 0.1787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 0, 183) }
```

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

```
.background{ background-color: rgb(217, 0,  
183) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor