

Converting Colors

$Y_{xy}(50.6058, 0.3803, 0.3015)$

Have a look what the booklet for
Yxy(50.6058, 0.3803, 0.3015)
contains.

Yxy(49.9895, 0.3779, 0.3009)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.9895, 0.3779, 0.3009)

Conversions

Conversions Part 1

Format	Color
Hex	FFA0BB
RGB	255, 160, 187
RGB Percent	100%, 63%, 73%
CMY	0.0000, 0.3725, 0.2666
CMYK	0.00, 0.37, 0.27, 0.00
HSL	343°, 100%, 81%
HSV	343°, 37%, 100%
XYZ	62.7818, 49.9895, 53.3620
YIQ	191.4830, 47.9530, 28.5370

Conversions

Conversions Part 2

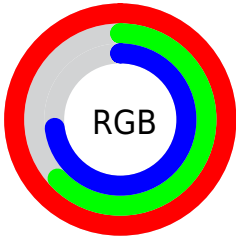
Format	Color
R_{YB}	255, 160, 187
Decimal	16752827
CIE _{Lab}	76.06, 38.62, 1.05
CIE _{LCh}	76, 38.638, 1.550
Yxy	49.9895, 0.3779, 0.3009
Android (android.graphics.Color)	4294942907 (0xFFFFA0BB)
YUV	191.4830, -2.2101, 55.7044
Hunter-Lab	70.7033, 34.7704, 4.7442

Details

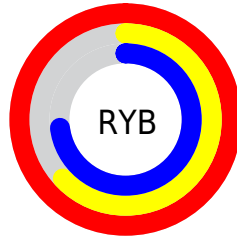
The Yxy color **49.9895, 0.3779, 0.3009** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **84.5949, 0.2732, 0.3597**, and the grayscale version is **52.3895, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8428, 0.3226, 0.3024**, and **23.9724, 0.3953, 0.2931** is the 20% darker color. If you saturate the color by 10%, you get **41.3059, 0.4050, 0.2936**, and if you desaturate by 10%, it is **60.5901, 0.3553, 0.3087**.

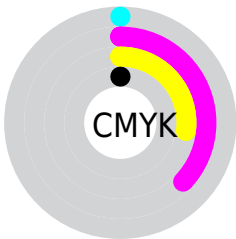
Distribution



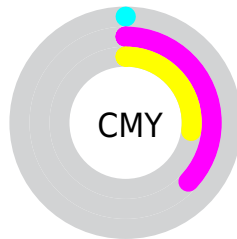
- Red (100%)
- Green (63%)
- Blue (73%)



- Red (100%)
- Yellow (63%)
- Blue (73%)



- Cyan (0%)
- Magenta (37%)
- Yellow (27%)
- Black (0%)





- Cyan (0%)
- Magenta (37%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.9895, 0.3779, 0.3009 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 49.9895, 0.3779, 0.3009 by changing the saturation by 10% instead.


 49.9895, 0.3779,
0.3009


 49.9895, 0.3779,
0.3009


386.6249, 0.3457,
0.3149

 35.4051, 0.3858,
0.2974


 90.1593, 0.3663,
0.3060

 23.9751, 0.3959,
0.2930


 116.5135, 0.3619,
0.3079

 15.3151, 0.4091,
0.2872


147.5597, 0.3582,
0.3095

 9.0408, 0.4273,
0.2792


183.6823, 0.3550,
0.3109

 4.7678, 0.4537,
0.2675

225.2657, 0.3522,
0.3121

 2.1117, 0.4953,
0.2488

272.6944, 0.3498,

 0.6712, 0.5777,

0.3131

0.2133

326.3526, 0.3476,
0.3141

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.9895, 0.3779,
0.3009

49.9895, 0.3779,
0.3009

41.3059, 0.4050,
0.2936

60.5901, 0.3553,
0.3087

34.4170, 0.4368,
0.2877

73.2064, 0.3369,
0.3165

29.1973, 0.4725,
0.2841

87.9386, 0.3218,
0.3239

25.5019, 0.5103,
0.2842

100.0000, 0.3127,
0.3290

■ 23.1607, 0.5470,
0.2888

■ 21.9553, 0.5787,
0.2978

■ 21.7345, 0.5865,
0.3005

Harmonies

Analogous

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



49.9895, 0.3261, 0.2681



49.9895, 0.3779, 0.3009



49.9895, 0.4119, 0.3412

Triad

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



49.9895, 0.3779, 0.3009



49.9895, 0.3451, 0.4247



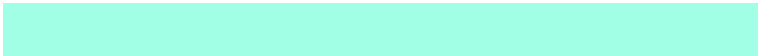
49.9895, 0.2185, 0.2651

Complementary

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



49.9895, 0.3779, 0.3009



84.5949, 0.2732, 0.3597

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.



49.9895, 0.2226, 0.3037



49.9895, 0.3779, 0.3009



49.9895, 0.2931, 0.4034

Square

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



49.9895, 0.3779, 0.3009



49.9895, 0.3905, 0.4141



49.9895, 0.2488, 0.3559



49.9895, 0.2365, 0.2469

Rectangle

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



49.9895, 0.3779, 0.3009



49.9895, 0.4182, 0.3689



49.9895, 0.2488, 0.3559



49.9895, 0.2173, 0.2758

Sweetspot

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



49.9918, 0.3779, 0.3009



82.1647, 0.3271, 0.3212



48.6132, 0.2939, 0.2299



17.1556, 0.3291, 0.3202



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.



49.9918, 0.3779, 0.3009



43.1017, 0.3985, 0.2952



56.0400, 0.3970, 0.3492



18.0720, 0.3249, 0.3223



11.3787, 0.5823, 0.2982



1.1257, 0.5503, 0.2805

Inverse Universe

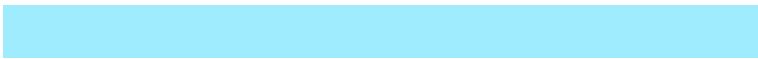
The Inverse Universe completely reimagines the original color for something new.



49.9918, 0.3779, 0.3009



43.1017, 0.3985, 0.2952



74.6855, 0.2574, 0.3074



18.0720, 0.3249, 0.3223



11.3787, 0.5823, 0.2982



1.1257, 0.5503, 0.2805

Previews

White Background



This preview shows how the Yxy color 49.9895, 0.3779, 0.3009 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 49.9895, 0.3779, 0.3009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

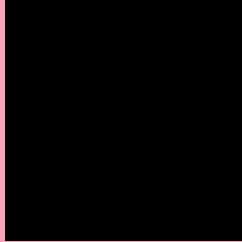
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.9895, 0.3779, 0.3009

Background



This preview shows how black text looks on a background with the Yxy color 49.9895, 0.3779, 0.3009.



This preview shows how white text looks on a background with the Yxy color 49.9895, 0.3779, 0.3009.

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

49.9895, 0.3779, 0.3009

Protanopia

50.4172, 0.3007, 0.3091

Deuteranopia

50.2847, 0.3344, 0.3279



Tritanopia

49.9675, 0.3892, 0.3165

Trichromacy



Original Color

49.9895, 0.3779, 0.3009

Protanomaly

49.4725, 0.3268, 0.3054

Deuteranomaly

49.7403, 0.3501, 0.3176

Tritanomaly

49.8152, 0.3846, 0.3102

Monochromacy



Original Color

49.9895, 0.3779, 0.3009

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

50.6564, 0.3341, 0.3172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9895, 0.3779, 0.3009 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(255, 160, 187)` looks like.

```
.text, #text, p{  
    color:rgb(255, 160, 187)  
}
```

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(255, 160, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 160, 187) }
```

Border

The CSS property to change the border of an element to Yxy 49.9895, 0.3779, 0.3009 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(255, 160, 187) }
```

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

```
.border{ border-color:rgb(255, 160, 187) }
```

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

Here you see how a box with a 4 pixel rgb(255, 160, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 160, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 160, 187);  
box-shadow:4px 4px 4px 4px rgb(255, 160,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9895, 0.3779, 0.3009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 160, 187) }
```

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

```
.background{ background-color: rgb(255,  
160, 187) }
```

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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