

Converting Colors

$Y_{xy}(52.0817, 0.3733, 0.2748)$

Have a look what the booklet for
Yxy(52.0817, 0.3733, 0.2748)
contains.

Yxy(48.6459, 0.3581, 0.2716)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.6459, 0.3581, 0.2716)

Conversions

Conversions Part 1

Format	Color
Hex	FF99D1
RGB	255, 153, 209
RGB Percent	100%, 60%, 82%
CMY	0.0000, 0.4000, 0.1804
CMYK	0.00, 0.40, 0.18, 0.00
HSL	327°, 100%, 80%
HSV	327°, 40%, 100%
XYZ	64.1388, 48.6459, 66.3239
YIQ	189.8820, 42.8160, 39.0400

Conversions

Conversions Part 2

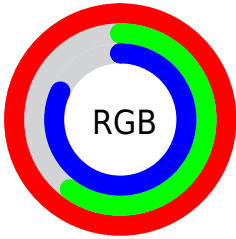
Format	Color
R _Y B	255, 153, 209
Decimal	16751057
CIE Lab	75.23, 45.33, -12.24
CIE LCh	75, 46.951, 344.884
Yxy	48.6459, 0.3581, 0.2716
Android (android.graphics.Color)	4294941137 (0xFFFF99D1)
YUV	189.8820, 9.4252, 57.1085
Hunter-Lab	69.7466, 42.0915, -7.5578

Details

The Yxy color **48.6459, 0.3581, 0.2716** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **82.4174, 0.2840, 0.3954**, and the grayscale version is **51.3487, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0809, 0.3148, 0.2841**, and **23.0260, 0.3688, 0.2562** is the 20% darker color. If you saturate the color by 10%, you get **40.6239, 0.3748, 0.2579**, and if you desaturate by 10%, it is **58.4968, 0.3437, 0.2862**.

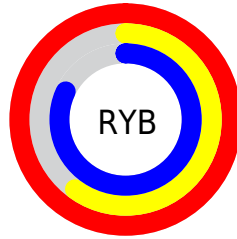
Distribution



Red (100%)

Green (60%)

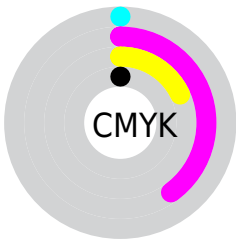
Blue (82%)



Red (100%)

Yellow (60%)

Blue (82%)

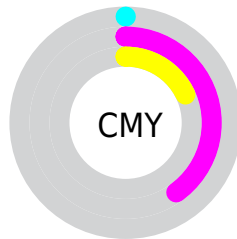


Cyan (0%)

Magenta (40%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (40%)

Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.6459, 0.3581, 0.2716 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 48.6459, 0.3581, 0.2716 by changing the saturation by 10% instead.


 48.6459, 0.3581,
0.2716


 48.6459, 0.3581,
0.2716


381.3466, 0.3363,
0.2987

 34.3387, 0.3633,
0.2653


 88.1653, 0.3504,
0.2811

 23.1539, 0.3698,
0.2574


 114.1463, 0.3474,
0.2848

 14.7072, 0.3783,
0.2474


144.7873, 0.3449,
0.2879

 8.6141, 0.3896,
0.2341

180.4727, 0.3427,
0.2907

 4.4904, 0.4056,
0.2158

221.5870, 0.3408,
0.2931

 1.9515, 0.4297,
0.1893

268.5144, 0.3391,

 0.5790, 0.4736,

0.2952

0.1408

321.6395, 0.3376,
0.2970

0.0000, 0.6826,
0.0000

0.0000, 0.0000,
0.0000

48.6459, 0.3581,
0.2716

48.6459, 0.3581,
0.2716

40.6239, 0.3748,
0.2579

58.4968, 0.3437,
0.2862

34.3088, 0.3937,
0.2462

70.2756, 0.3315,
0.3010

29.5739, 0.4144,
0.2377

84.0815, 0.3212,
0.3153

26.2719, 0.4361,
0.2337

100.0000, 0.3127,
0.3290

■ 24.2270, 0.4580,
0.2349

■ 23.1528, 0.4790,
0.2413

■ 23.1525, 0.4790,
0.2413

Harmonies

Analogous

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



48.6459, 0.2921, 0.2411



48.6459, 0.3581, 0.2716



48.6459, 0.4153, 0.3149

Triad

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



48.6459, 0.3581, 0.2716



48.6459, 0.3834, 0.4429



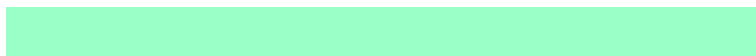
48.6459, 0.1991, 0.2731

Complementary

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



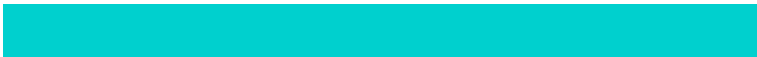
48.6459, 0.3581, 0.2716



82.4174, 0.2840, 0.3954

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.



48.6459, 0.2181, 0.3315



48.6459, 0.3581, 0.2716



48.6459, 0.3224, 0.4418

Square

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



48.6459, 0.3581, 0.2716



48.6459, 0.4280, 0.4107



48.6459, 0.2620, 0.3981



48.6459, 0.2062, 0.2386

Rectangle

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



48.6459, 0.3581, 0.2716



48.6459, 0.4370, 0.3473



48.6459, 0.2620, 0.3981



48.6459, 0.2025, 0.2903

Sweetspot

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



48.6481, 0.3581, 0.2716



81.1492, 0.3231, 0.3125



42.1341, 0.2716, 0.2160



16.9697, 0.3244, 0.3106



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.



48.6481, 0.3581, 0.2716



42.0858, 0.3713, 0.2605



46.5174, 0.4095, 0.3239



18.1540, 0.3208, 0.3160



12.1282, 0.4757, 0.2394



1.2029, 0.4531, 0.2270

Inverse Universe

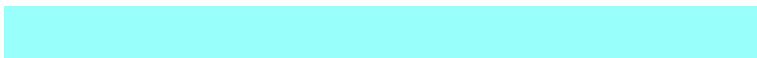
The Inverse Universe completely reimagines the original color for something new.



48.6481, 0.3581, 0.2716



42.0858, 0.3713, 0.2605



85.1890, 0.2597, 0.3345



18.1540, 0.3208, 0.3160



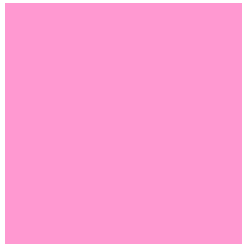
12.1282, 0.4757, 0.2394



1.2029, 0.4531, 0.2270

Previews

White Background



This preview shows how the Yxy color 48.6459, 0.3581, 0.2716 looks on a white background.

Color Contrast Check

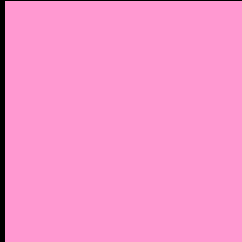
Large Text (above 18pt) WCAG AA × Fail

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 48.6459, 0.3581, 0.2716 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 48.6459, 0.3581, 0.2716

Background



This preview shows how black text looks on a background with the Yxy color 48.6459, 0.3581, 0.2716.



This preview shows how white text looks on a background with the Yxy color 48.6459, 0.3581, 0.2716.

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

48.6459, 0.3581, 0.2716

Protanopia

49.1081, 0.2728, 0.2729

Deuteranopia

49.0095, 0.3065, 0.3009



Tritanopia

48.6294, 0.3891, 0.3164

Trichromacy



Original Color

48.6459, 0.3581, 0.2716



Protanomaly

47.9984, 0.3003, 0.2718



Deuteranomaly

48.3338, 0.3243, 0.2885



Tritanomaly

48.3122, 0.3780, 0.2996

Monochromacy



Original Color

48.6459, 0.3581, 0.2716



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

49.7716, 0.3286, 0.3055

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6459, 0.3581, 0.2716 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, 153, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 209)  
}
```

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, 153, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 209) }
```

Border

The CSS property to change the border of an element to Yxy 48.6459, 0.3581, 0.2716 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, 153, 209) }
```

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

```
.border{ border-color:rgb(255, 153, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 153, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6459, 0.3581, 0.2716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 209) }
```

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

```
.background{ background-color: rgb(255,  
153, 209) }
```

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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