

Converting Colors

$Y_{xy}(64.6363, 0.3826, 0.2709)$

Have a look what the booklet for
Yxy(64.6363, 0.3826, 0.2709)
contains.

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Color

Yxy(52.8138, 0.3376, 0.2605)

Conversions

Conversions Part 1

Format	Color
Hex	FFA2E6
RGB	255, 162, 230
RGB Percent	100%, 64%, 90%
CMY	0.0000, 0.3647, 0.0979
CMYK	0.00, 0.36, 0.10, 0.00
HSL	316°, 100%, 82%
HSV	316°, 36%, 100%
XYZ	68.4451, 52.8138, 81.4813
YIQ	197.5590, 33.6000, 40.8640

Conversions

Conversions Part 2

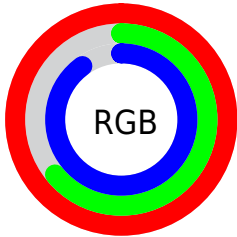
Format	Color
R _Y B	255, 162, 230
Decimal	16753382
CIE Lab	77.76, 44.01, -19.91
CIE LCh	78, 48.302, 335.652
Yxy	52.8138, 0.3376, 0.2605
Android (android.graphics.Color)	4294943462 (0xFFFFA2E6)
YUV	197.5590, 15.9934, 50.3758
Hunter-Lab	72.6731, 40.9371, -15.6049

Details

The Yxy color **52.8138, 0.3376, 0.2605** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **82.7813, 0.2948, 0.4094**, and the grayscale version is **56.0787, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6228, 0.3144, 0.2930**, and **25.6514, 0.3439, 0.2448** is the 20% darker color. If you saturate the color by 10%, you get **44.3480, 0.3468, 0.2424**, and if you desaturate by 10%, it is **63.1207, 0.3294, 0.2795**.

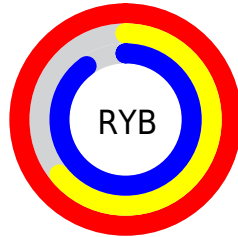
Distribution



Red (100%)

Green (64%)

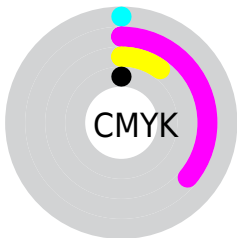
Blue (90%)



Red (100%)

Yellow (64%)

Blue (90%)

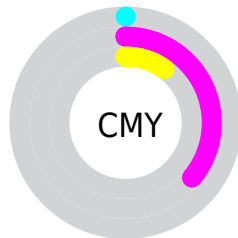


Cyan (0%)

Magenta (36%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.8138, 0.3376, 0.2605 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 52.8138, 0.3376, 0.2605 by changing the saturation by 10% instead.

 52.8138, 0.3376,
0.2605


 52.8138, 0.3376,
0.2605


397.5703, 0.3264,
0.2920

 37.6541, 0.3401,
0.2534


 94.3303, 0.3338,
0.2713

 25.7144, 0.3431,
0.2447


 121.4560, 0.3323,
0.2756

 16.6101, 0.3469,
0.2337


153.3391, 0.3309,
0.2792

 9.9569, 0.3517,
0.2196

190.3641, 0.3298,
0.2824

 5.3704, 0.3579,
0.2008

232.9153, 0.3288,
0.2852

 2.4662, 0.3663,
0.1745

281.3771, 0.3279,

 0.8596, 0.3778,

0.2877

0.1360

336.1340, 0.3271,
0.2900

■ 0.0000, 0.4258,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 52.8138, 0.3376,
0.2605

■ 52.8138, 0.3376,
0.2605

■ 44.3480, 0.3468,
0.2424

■ 63.1207, 0.3294,
0.2795

■ 37.6052, 0.3569,
0.2261

■ 75.3632, 0.3223,
0.2987

■ 32.4647, 0.3678,
0.2128

■ 89.6377, 0.3162,
0.3174

■ 28.7874, 0.3790,
0.2036

99.9981, 0.3127,
0.3290

■ 26.4098, 0.3902,
0.1991

■ 25.1278, 0.4010,
0.1995

■ 24.8281, 0.4048,
0.2004

Harmonies

Analogous

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



52.8138, 0.2735, 0.2351



52.8138, 0.3376, 0.2605



52.8138, 0.4002, 0.3006

Triad

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



52.8138, 0.3376, 0.2605



52.8138, 0.3997, 0.4357



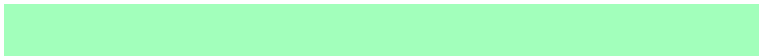
52.8138, 0.2021, 0.2888

Complementary

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



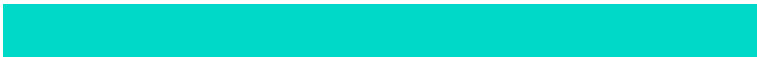
52.8138, 0.3376, 0.2605



82.7813, 0.2948, 0.4094

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.



52.8138, 0.2291, 0.3524



52.8138, 0.3376, 0.2605



52.8138, 0.3420, 0.4468

Square

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



52.8138, 0.3376, 0.2605



52.8138, 0.4361, 0.3972



52.8138, 0.2795, 0.4155



52.8138, 0.2012, 0.2464

Rectangle

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



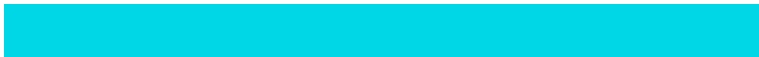
52.8138, 0.3376, 0.2605



52.8138, 0.4291, 0.3322



52.8138, 0.2795, 0.4155



52.8138, 0.2082, 0.3083

Sweetspot

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



52.8162, 0.3376, 0.2605



82.9156, 0.3188, 0.3090



43.6015, 0.2632, 0.2232



17.3344, 0.3197, 0.3064



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.



52.8162, 0.3376, 0.2605



46.2757, 0.3444, 0.2467



50.5488, 0.3806, 0.3064



18.2123, 0.3179, 0.3118



13.0005, 0.4031, 0.1994



1.2840, 0.3915, 0.1931

Inverse Universe

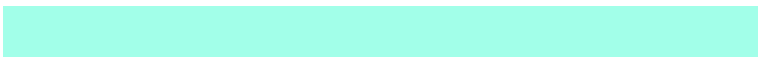
The Inverse Universe completely reimagines the original color for something new.



52.8162, 0.3376, 0.2605



46.2757, 0.3444, 0.2467



85.0956, 0.2716, 0.3534



18.2123, 0.3179, 0.3118



13.0005, 0.4031, 0.1994



1.2840, 0.3915, 0.1931

Previews

White Background



This preview shows how the Yxy color 52.8138, 0.3376, 0.2605 looks on a white background.

Color Contrast Check

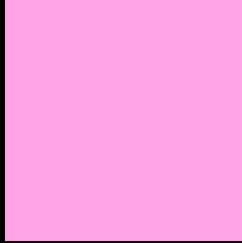
Large Text (above 18pt) WCAG AA × Fail

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 52.8138, 0.3376, 0.2605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

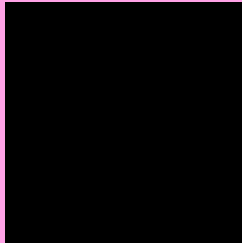
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.8138, 0.3376, 0.2605

Background



This preview shows how black text looks on a background with the Yxy color 52.8138, 0.3376, 0.2605.



This preview shows how white text looks on a background with the Yxy color 52.8138, 0.3376, 0.2605.

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

52.8138, 0.3376, 0.2605

Protanopia

53.0762, 0.2628, 0.2593

Deuteranopia

53.1384, 0.2920, 0.2855



Tritanopia

52.7262, 0.3724, 0.3153

Trichromacy



Original Color

52.8138, 0.3376, 0.2605



Protanomaly

52.0927, 0.2861, 0.2584



Deuteranomaly

52.5380, 0.3070, 0.2753



Tritanomaly

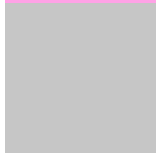
52.7315, 0.3592, 0.2944

Monochromacy



Original Color

52.8138, 0.3376, 0.2605



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

54.4111, 0.3215, 0.3006

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.8138, 0.3376, 0.2605 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, 162, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 162, 230)  
}
```

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, 162, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 162, 230) }
```

Border

The CSS property to change the border of an element to Yxy 52.8138, 0.3376, 0.2605 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, 162, 230) }
```

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

```
.border{ border-color:rgb(255, 162, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 162, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 162, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 162, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 162,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 52.8138, 0.3376, 0.2605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 162, 230) }
```

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

```
.background{ background-color: rgb(255,  
162, 230) }
```

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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