

Converting Colors

$Y_{xy}(52.5159, 0.3229, 0.2409)$

Have a look what the booklet for
Yxy(52.5159, 0.3229, 0.2409)
contains.

Yxy(52.4910, 0.3228, 0.2406)	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(52.4910, 0.3228, 0.2406)

Conversions

Conversions Part 1

Format	Color
Hex	FF9EF8
RGB	255, 158, 248
RGB Percent	100%, 62%, 97%
CMY	0.0000, 0.3805, 0.0273
CMYK	0.00, 0.38, 0.03, 0.00
HSL	304°, 100%, 81%
HSV	304°, 38%, 100%
XYZ	70.4243, 52.4910, 95.2517
YIQ	197.2630, 28.9220, 48.5540

Conversions

Conversions Part 2

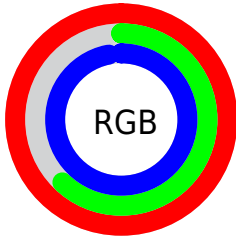
Format	Color
R _{YB}	255, 158, 248
Decimal	16752376
CIE Lab	77.57, 49.11, -29.95
CIE LCh	78, 57.520, 328.627
Yxy	52.4910, 0.3228, 0.2406
Android (android.graphics.Color)	4294942456 (0xFFFF9EF8)
YUV	197.2630, 25.0133, 50.6353
Hunter-Lab	72.4507, 46.7189, -27.2338

Details

The Yxy color **52.4910, 0.3228, 0.2406** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **81.5017, 0.3038, 0.4371**, and the grayscale version is **55.8284, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5731, 0.3146, 0.2891**, and **25.5325, 0.3246, 0.2217** is the 20% darker color. If you saturate the color by 10%, you get **44.5588, 0.3258, 0.2192**, and if you desaturate by 10%, it is **62.2184, 0.3198, 0.2635**.

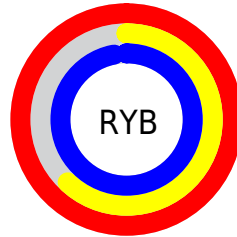
Distribution



Red (100%)

Green (62%)

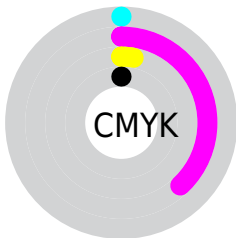
Blue (97%)



Red (100%)

Yellow (62%)

Blue (97%)

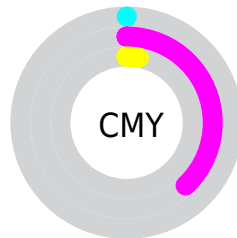


Cyan (0%)

Magenta (38%)

Yellow (3%)

Black (0%)



Cyan (0%)


Magenta (38%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.4910, 0.3228, 0.2406 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 52.4910, 0.3228, 0.2406 by changing the saturation by 10% instead.


 52.4910, 0.3228,
0.2406


 52.4910, 0.3228,
0.2406


396.3292, 0.3192,
0.2804

 37.3966, 0.3233,
0.2319


 93.8550, 0.3218,
0.2541

 25.5147, 0.3239,
0.2212


 120.8933, 0.3213,
0.2595

 16.4609, 0.3243,
0.2081


152.6817, 0.3209,
0.2641

 9.8509, 0.3245,
0.1915

189.6047, 0.3205,
0.2682

 5.3002, 0.3241,
0.1699

232.0465, 0.3202,
0.2718

 2.4245, 0.3222,
0.1411

280.3916, 0.3198,

 0.8384, 0.3164,

0.2749

0.1019

335.0244, 0.3195,
0.2778

0.0000, 0.3144,
0.0000

0.0000, 0.0000,
0.0000

52.4910, 0.3228,
0.2406

52.4910, 0.3228,
0.2406

44.5588, 0.3258,
0.2192

62.2184, 0.3198,
0.2635

38.3251, 0.3289,
0.2005

73.8595, 0.3171,
0.2871

33.6594, 0.3320,
0.1852

87.5042, 0.3146,
0.3106

30.4196, 0.3348,
0.1741

100.0000, 0.3127,
0.3290

■ 28.4375, 0.3374,
0.1675

■ 27.4850, 0.3398,
0.1650

■ 27.3560, 0.3402,
0.1648

Harmonies

Analogous

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



52.4910, 0.2507, 0.2163



52.4910, 0.3228, 0.2406



52.4910, 0.4011, 0.2829

Triad

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



52.4910, 0.3228, 0.2406



52.4910, 0.4267, 0.4443



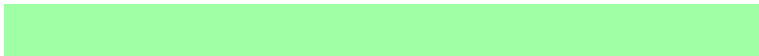
52.4910, 0.1881, 0.2955

Complementary

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



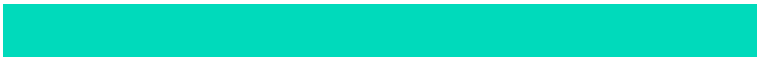
52.4910, 0.3228, 0.2406



81.5017, 0.3038, 0.4371

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.



52.4910, 0.2252, 0.3759



52.4910, 0.3228, 0.2406



52.4910, 0.3623, 0.4713

Square

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



52.4910, 0.3228, 0.2406



52.4910, 0.4630, 0.3930



52.4910, 0.2885, 0.4480



52.4910, 0.1808, 0.2398

Rectangle

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



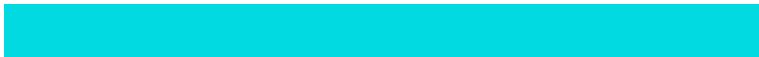
52.4910, 0.3228, 0.2406



52.4910, 0.4416, 0.3177



52.4910, 0.2885, 0.4480



52.4910, 0.1971, 0.3206

Sweetspot

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



52.4858, 0.3228, 0.2406



83.2617, 0.3153, 0.3037



39.6067, 0.2467, 0.2139



17.4174, 0.3156, 0.3006



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.



52.4858, 0.3228, 0.2406



46.0402, 0.3252, 0.2234



49.8777, 0.3657, 0.2855



18.2765, 0.3149, 0.3072



14.3036, 0.3399, 0.1646



1.3992, 0.3375, 0.1633

Inverse Universe

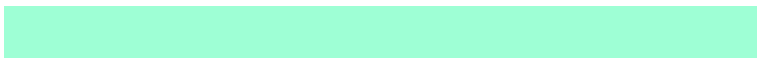
The Inverse Universe completely reimagines the original color for something new.



52.4858, 0.3228, 0.2406



46.0402, 0.3252, 0.2234



83.5889, 0.2796, 0.3778



18.2765, 0.3149, 0.3072



14.3036, 0.3399, 0.1646



1.3992, 0.3375, 0.1633

Previews

White Background



This preview shows how the Yxy color 52.4910, 0.3228, 0.2406 looks on a white background.

Color Contrast Check

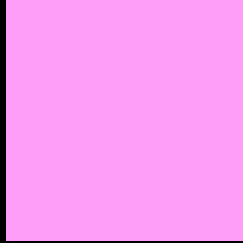
Large Text (above 18pt) WCAG AA × Fail

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 52.4910, 0.3228, 0.2406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

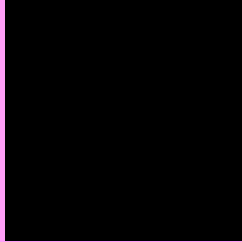
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.4910, 0.3228, 0.2406

Background



This preview shows how black text looks on a background with the Yxy color 52.4910, 0.3228, 0.2406.



This preview shows how white text looks on a background with the Yxy color 52.4910, 0.3228, 0.2406.

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

52.4910, 0.3228, 0.2406

Protanopia

52.9311, 0.2574, 0.2537

Deuteranopia

52.5676, 0.2721, 0.2659



Tritanopia

52.3607, 0.3706, 0.3152

Trichromacy



Original Color

52.4910, 0.3228, 0.2406



Protanomaly

51.5656, 0.2785, 0.2471



Deuteranomaly

51.6776, 0.2891, 0.2548



Tritanomaly

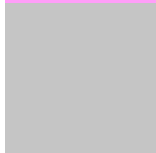
52.1014, 0.3532, 0.2861

Monochromacy



Original Color

52.4910, 0.3228, 0.2406



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

53.7303, 0.3161, 0.2916

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.4910, 0.3228, 0.2406 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, 158, 248)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 248)  
}
```

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, 158, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 248) }
```

Border

The CSS property to change the border of an element to Yxy 52.4910, 0.3228, 0.2406 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, 158, 248) }
```

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

```
.border{ border-color:rgb(255, 158, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 158, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 248);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 52.4910, 0.3228, 0.2406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 158, 248) }
```

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

```
.background{ background-color: rgb(255,  
158, 248) }
```

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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