

Converting Colors

$Y_{xy}(48.8481, 0.3103, 0.2256)$

Have a look what the booklet for
Yxy(48.8481, 0.3103, 0.2256)
contains.

Yxy(48.6255, 0.3099, 0.2251)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.6255, 0.3099, 0.2251)

Conversions

Conversions Part 1

Format	Color
Hex	F696FF
RGB	246, 150, 255
RGB Percent	96%, 59%, 100%
CMY	0.0355, 0.4116, 0.0001
CMYK	0.04, 0.41, 0.00, 0.00
HSL	295°, 100%, 79%
HSV	295°, 41%, 100%
XYZ	66.9438, 48.6255, 100.4481
YIQ	190.6740, 23.5110, 53.0070

Conversions

Conversions Part 2

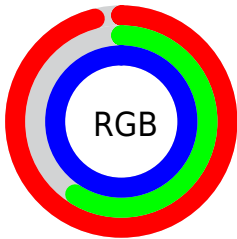
Format	Color
R _Y B	246, 150, 255
Decimal	16160511
CIE Lab	75.22, 51.68, -37.42
CIE LCh	75, 63.811, 324.092
Yxy	48.6255, 0.3099, 0.2251
Android (android.graphics.Color)	4294350591 (0xFFFF696FF)
YUV	190.6740, 31.7127, 48.5209
Hunter-Lab	69.7320, 49.3317, -36.5941

Details

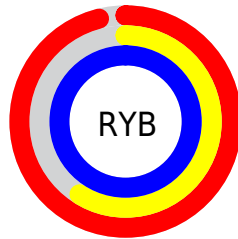
The Yxy color **48.6255, 0.3099, 0.2251** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **81.0907, 0.3118, 0.4549**, and the grayscale version is **51.7077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6226, 0.3150, 0.2811**, and **23.1343, 0.3072, 0.2024** is the 20% darker color. If you saturate the color by 10%, you get **40.9586, 0.3085, 0.2021**, and if you desaturate by 10%, it is **58.0718, 0.3110, 0.2500**.

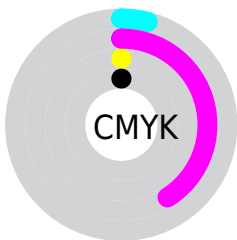
Distribution



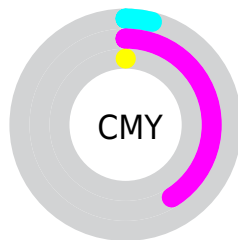
- Red (96%)
- Green (59%)
- Blue (100%)



- Red (96%)
- Yellow (59%)
- Blue (100%)



- Cyan (4%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)





- Cyan (4%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.6255, 0.3099, 0.2251 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 48.6255, 0.3099, 0.2251 by changing the saturation by 10% instead.


 48.6255, 0.3099,
0.2251


 48.6255, 0.3099,
0.2251


381.2661, 0.3130,
0.2717

 34.3225, 0.3088,
0.2149


 88.1350, 0.3113,
0.2409

 23.1415, 0.3072,
0.2027


 114.1103, 0.3117,
0.2472

 14.6980, 0.3049,
0.1876


144.7451, 0.3121,
0.2526

 8.6077, 0.3013,
0.1687

180.4238, 0.3124,
0.2574

 4.4862, 0.2955,
0.1445

221.5309, 0.3126,
0.2616

 1.9491, 0.2856,
0.1133

268.4507, 0.3127,

 0.5776, 0.2679,

0.2653

0.0694

321.5677, 0.3129,
0.2687

0.0000, 0.2335,
0.0000

0.0000, 0.0000,
0.0000

48.6255, 0.3099,
0.2251

48.6255, 0.3099,
0.2251

40.9586, 0.3085,
0.2021

58.0718, 0.3110,
0.2500

34.9487, 0.3069,
0.1819

69.3966, 0.3118,
0.2757

30.4682, 0.3051,
0.1654

82.6994, 0.3123,
0.3013

27.3679, 0.3030,
0.1533

98.0708, 0.3127,
0.3262

■ 25.4688, 0.3009,
0.1457

99.9988, 0.3127,
0.3290

■ 24.5447, 0.2989,
0.1420

Harmonies

Analogous

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



48.6255, 0.2326, 0.2018



48.6255, 0.3099, 0.2251



48.6255, 0.4003, 0.2688

Triad

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



48.6255, 0.3099, 0.2251



48.6255, 0.4480, 0.4484



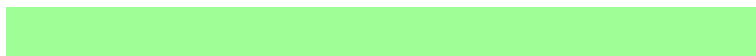
48.6255, 0.1774, 0.3019

Complementary

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



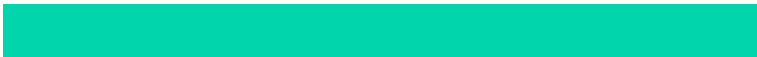
48.6255, 0.3099, 0.2251



81.0907, 0.3118, 0.4549

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.



48.6255, 0.2225, 0.3971



48.6255, 0.3099, 0.2251



48.6255, 0.3783, 0.4889

Square

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



48.6255, 0.3099, 0.2251



48.6255, 0.4843, 0.3879



48.6255, 0.2959, 0.4752



48.6255, 0.1654, 0.2349

Rectangle

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



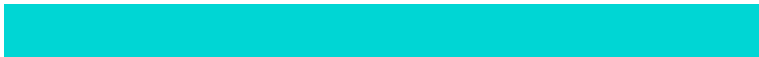
48.6255, 0.3099, 0.2251



48.6255, 0.4506, 0.3058



48.6255, 0.2959, 0.4752



48.6255, 0.1887, 0.3319

Sweetspot

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



48.6276, 0.3099, 0.2251



81.5100, 0.3123, 0.2992



39.0355, 0.2377, 0.2143



17.0546, 0.3122, 0.2958



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.



48.6276, 0.3099, 0.2251



42.4738, 0.3089, 0.2068



47.8876, 0.3547, 0.2648



18.2161, 0.3124, 0.3055



12.8604, 0.2993, 0.1422



1.2746, 0.3019, 0.1437

Inverse Universe

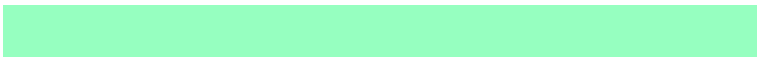
The Inverse Universe completely reimagines the original color for something new.



45.5893, 0.4097, 0.3198



39.1561, 0.4392, 0.3183



81.8025, 0.2860, 0.4044



18.0125, 0.3281, 0.3270



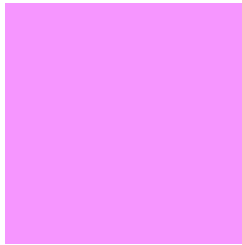
11.1477, 0.6308, 0.3249



1.0937, 0.6118, 0.3144

Previews

White Background



This preview shows how the Yxy color 48.6255, 0.3099, 0.2251 looks on a white background.

Color Contrast Check

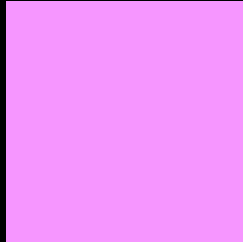
Large Text (above 18pt) WCAG AA × Fail

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 48.6255, 0.3099, 0.2251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

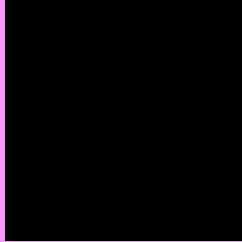
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.6255, 0.3099, 0.2251

Background



This preview shows how black text looks on a background with the Yxy color 48.6255, 0.3099, 0.2251.



This preview shows how white text looks on a background with the Yxy color 48.6255, 0.3099, 0.2251.

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

48.6255, 0.3099, 0.2251

Protanopia

48.8735, 0.2500, 0.2439

Deuteranopia

49.0314, 0.2565, 0.2506



Tritanopia

48.7250, 0.3664, 0.3157

Trichromacy



Original Color

48.6255, 0.3099, 0.2251



Protanomaly

47.6833, 0.2687, 0.2346



Deuteranomaly

47.8266, 0.2735, 0.2389

Tritanomaly

48.5200, 0.3451, 0.2793

Monochromacy



Original Color

48.6255, 0.3099, 0.2251



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

49.7546, 0.3122, 0.2849

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6255, 0.3099, 0.2251 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(246, 150, 255)` looks like.

```
.text, #text, p{  
    color:rgb(246, 150, 255)  
}
```

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(246, 150, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 150, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.6255, 0.3099, 0.2251 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(246, 150, 255) }
```

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

```
.border{ border-color:rgb(246, 150, 255) }
```

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

Here you see how a box with a 4 pixel rgb(246, 150, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 150, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 150, 255);  
box-shadow:4px 4px 4px 4px rgb(246, 150,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6255, 0.3099, 0.2251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 150, 255) }
```

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

```
.background{ background-color: rgb(246,  
150, 255) }
```

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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