

Converting Colors

$Y_{xy}(47.4266, 0.3087, 0.2251)$

Have a look what the booklet for
Yxy(47.4266, 0.3087, 0.2251)
contains.

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Color

Yxy(47.4004, 0.3090, 0.2255)

Conversions

Conversions Part 1

Format	Color
Hex	F295FC
RGB	242, 149, 252
RGB Percent	95%, 58%, 99%
CMY	0.0508, 0.4158, 0.0116
CMYK	0.04, 0.41, 0.00, 0.01
HSL	294°, 95%, 79%
HSV	294°, 41%, 99%
XYZ	64.9522, 47.4004, 97.8487
YIQ	188.5490, 22.3650, 51.7490

Conversions

Conversions Part 2

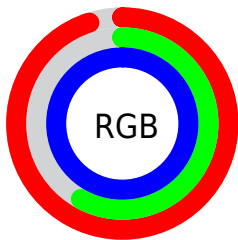
Format	Color
R _Y B	242, 149, 252
Decimal	15898108
CIE Lab	74.45, 50.56, -37.06
CIE LCh	74, 62.687, 323.756
Yxy	47.4004, 0.3090, 0.2255
Android (android.graphics.Color)	4294088188 (0xFFFF295FC)
YUV	188.5490, 31.2813, 46.8765
Hunter-Lab	68.8479, 47.9157, -36.0711

Details

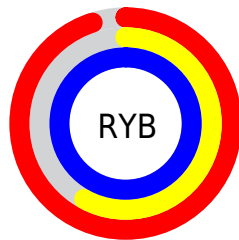
The Yxy color **47.4004, 0.3090, 0.2255** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **79.1777, 0.3124, 0.4536**, and the grayscale version is **50.4274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1426, 0.3150, 0.2801**, and **22.3149, 0.3059, 0.2025** is the 20% darker color. If you saturate the color by 10%, you get **39.8444, 0.3074, 0.2022**, and if you desaturate by 10%, it is **56.6915, 0.3103, 0.2505**.

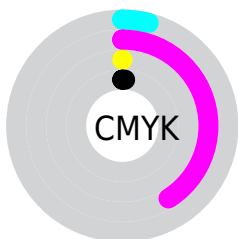
Distribution



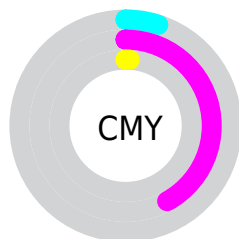
- Red (95%)
- Green (58%)
- Blue (99%)



- Red (95%)
- Yellow (58%)
- Blue (99%)



- Cyan (4%)
- Magenta (41%)
- Yellow (0%)
- Black (1%)




- Cyan (5%)
- Magenta (42%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.4004, 0.3090, 0.2255 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 47.4004, 0.3090, 0.2255 by changing the saturation by 10% instead.


 47.4004, 0.3090,
0.2255

 47.4004, 0.3090,
0.2255


376.4105, 0.3125,
0.2722

 33.3523, 0.3078,
0.2153


 86.3110, 0.3106,
0.2414

 22.3965, 0.3061,
0.2029


 111.9423, 0.3111,
0.2476

 14.1485, 0.3035,
0.1876


142.2034, 0.3114,
0.2531

 8.2240, 0.2997,
0.1684

177.4787, 0.3118,
0.2578

 4.2386, 0.2935,
0.1439

218.1527, 0.3120,
0.2621

 1.8079, 0.2828,
0.1119

264.6098, 0.3122,

 0.4921, 0.2645,

0.2658

0.0642

317.2342, 0.3123,
0.2691

0.0000, 0.2223,
0.0000

0.0000, 0.0000,
0.0000

47.4004, 0.3090,
0.2255

47.4004, 0.3090,
0.2255

39.8444, 0.3074,
0.2022

56.6915, 0.3103,
0.2505

33.9050, 0.3054,
0.1818

67.8139, 0.3114,
0.2763

29.4583, 0.3033,
0.1650

80.8640, 0.3122,
0.3020

26.3603, 0.3009,
0.1525

95.9298, 0.3127,
0.3268

■ 24.4379, 0.2985,
0.1445

99.6699, 0.3140,
0.3318

■ 23.4616, 0.2962,
0.1405

99.8104, 0.3144,
0.3318

Harmonies

Analogous

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



47.4004, 0.2325, 0.2027



47.4004, 0.3090, 0.2255



47.4004, 0.3986, 0.2687

Triad

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



47.4004, 0.3090, 0.2255



47.4004, 0.4476, 0.4471



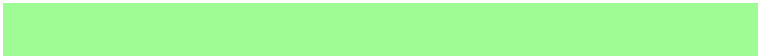
47.4004, 0.1788, 0.3032

Complementary

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



47.4004, 0.3090, 0.2255



79.1777, 0.3124, 0.4536

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.



47.4004, 0.2240, 0.3975



47.4004, 0.3090, 0.2255



47.4004, 0.3788, 0.4872

Square

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



47.4004, 0.3090, 0.2255



47.4004, 0.4830, 0.3870



47.4004, 0.2971, 0.4742



47.4004, 0.1664, 0.2363

Rectangle

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



47.4004, 0.3090, 0.2255



47.4004, 0.4486, 0.3054



47.4004, 0.2971, 0.4742



47.4004, 0.1902, 0.3330

Sweetspot

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



47.4025, 0.3090, 0.2255



81.4486, 0.3121, 0.2991



38.3096, 0.2383, 0.2152



17.0401, 0.3120, 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.



47.4025, 0.3090, 0.2255



42.2344, 0.3077, 0.2064



46.8815, 0.3543, 0.2652



17.4341, 0.3122, 0.3055



12.2538, 0.2966, 0.1408



1.1590, 0.2997, 0.1425

Inverse Universe

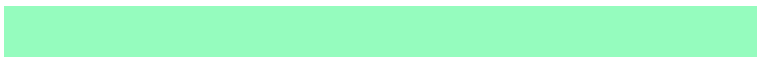
The Inverse Universe completely reimagines the original color for something new.



44.6897, 0.4075, 0.3187



39.1962, 0.4376, 0.3169



79.7554, 0.2862, 0.4038



17.2525, 0.3279, 0.3267



10.8251, 0.6292, 0.3240



1.0115, 0.6073, 0.3119

Previews

White Background



This preview shows how the Yxy color 47.4004, 0.3090, 0.2255 looks on a white background.

Color Contrast Check

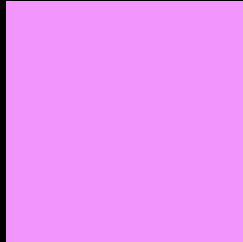
Large Text (above 18pt) WCAG AA × Fail

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 47.4004, 0.3090, 0.2255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

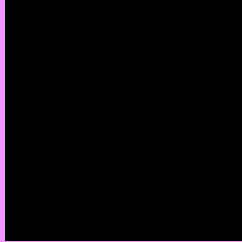
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.4004, 0.3090, 0.2255

Background



This preview shows how black text looks on a background with the Yxy color 47.4004, 0.3090, 0.2255.



This preview shows how white text looks on a background with the Yxy color 47.4004, 0.3090, 0.2255.

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

47.4004, 0.3090, 0.2255

Protanopia

47.7413, 0.2478, 0.2411

Deuteranopia

47.8086, 0.2566, 0.2509



Tritanopia

47.2804, 0.3641, 0.3143

Trichromacy



Original Color

47.4004, 0.3090, 0.2255



Protanomaly

46.4788, 0.2669, 0.2327



Deuteranomaly

46.6226, 0.2737, 0.2391



Tritanomaly

47.0369, 0.3436, 0.2786

Monochromacy



Original Color

47.4004, 0.3090, 0.2255



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

48.4355, 0.3114, 0.2844

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4004, 0.3090, 0.2255 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(242, 149, 252)` looks like.

```
.text, #text, p{  
    color:rgb(242, 149, 252)  
}
```

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(242, 149, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 149, 252) }
```

Border

The CSS property to change the border of an element to Yxy 47.4004, 0.3090, 0.2255 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(242, 149, 252) }
```

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

```
.border{ border-color:rgb(242, 149, 252) }
```

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

Here you see how a box with a 4 pixel rgb(242, 149, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 149, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 149, 252);  
box-shadow:4px 4px 4px 4px rgb(242, 149,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4004, 0.3090, 0.2255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 149, 252) }
```

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

```
.background{ background-color: rgb(242,  
149, 252) }
```

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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