

Converting Colors

$Y_{xy}(53.6495, 0.3090, 0.2470)$

Have a look what the booklet for
Yxy(53.6495, 0.3090, 0.2470)
contains.

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Color

Yxy(53.7408, 0.3092, 0.2472)

Conversions

Conversions Part 1

Format	Color
Hex	F0A9F9
RGB	240, 169, 249
RGB Percent	94%, 66%, 98%
CMY	0.0588, 0.3372, 0.0236
CMYK	0.04, 0.32, 0.00, 0.02
HSL	293°, 87%, 82%
HSV	293°, 32%, 98%
XYZ	67.2195, 53.7408, 96.4378
YIQ	199.3490, 16.6360, 39.9320

Conversions

Conversions Part 2

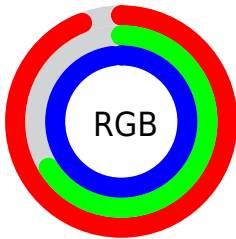
Format	Color
R _Y B	240, 169, 249
Decimal	15772153
CIE Lab	78.31, 38.96, -29.47
CIE LCh	78, 48.851, 322.902
Yxy	53.7408, 0.3092, 0.2472
Android (android.graphics.Color)	4293962233 (0xFFFF0A9F9)
YUV	199.3490, 24.4779, 35.6509
Hunter-Lab	73.3081, 35.3854, -26.6811

Details

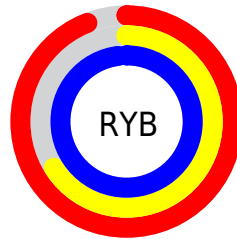
The Yxy color **53.7408, 0.3092, 0.2472** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.0695, 0.3137, 0.4229**, and the grayscale version is **57.1792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3304, 0.3141, 0.2999**, and **26.3638, 0.3075, 0.2297** is the 20% darker color. If you saturate the color by 10%, you get **44.8582, 0.3074, 0.2221**, and if you desaturate by 10%, it is **64.3994, 0.3106, 0.2731**.

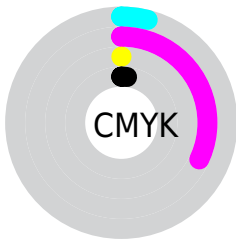
Distribution



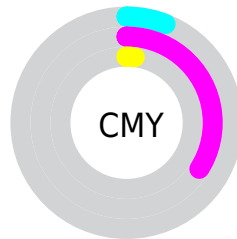
- Red (94%)
- Green (66%)
- Blue (98%)



- Red (94%)
- Yellow (66%)
- Blue (98%)



- Cyan (4%)
- Magenta (32%)
- Yellow (0%)
- Black (2%)




- Cyan (6%)
- Magenta (34%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.7408, 0.3092, 0.2472 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 53.7408, 0.3092, 0.2472 by changing the saturation by 10% instead.


 53.7408, 0.3092,
0.2472

 53.7408, 0.3092,
0.2472


401.1208, 0.3119,
0.2843

 38.3945, 0.3083,
0.2390


 95.6936, 0.3104,
0.2599

 26.2890, 0.3071,
0.2290


123.0688, 0.3107,
0.2648

 17.0400, 0.3054,
0.2165


155.2224, 0.3110,
0.2692

 10.2630, 0.3027,
0.2007

192.5389, 0.3113,
0.2729

 5.5737, 0.2986,
0.1800

235.4026, 0.3115,
0.2763

 2.5876, 0.2914,
0.1520

284.1979, 0.3117,

 0.9204, 0.2778,

0.2792

0.1132

339.3091, 0.3118,
0.2819

0.0000, 0.2637,
0.0000

0.0000, 0.0000,
0.0000

53.7408, 0.3092,
0.2472

53.7408, 0.3092,
0.2472

44.8582, 0.3074,
0.2221

64.3994, 0.3106,
0.2731

37.6443, 0.3053,
0.1989

76.9195, 0.3118,
0.2988

31.9907, 0.3029,
0.1785

91.3895, 0.3126,
0.3239

27.7737, 0.3003,
0.1619

98.9023, 0.3138,
0.3348

■ 24.8504, 0.2974,
0.1497

■ 99.4260, 0.3156,
0.3348

■ 23.0487, 0.2945,
0.1419

■ 99.6185, 0.3162,
0.3347

■ 22.2135, 0.2922,
0.1384

Harmonies

Analogous

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



53.7408, 0.2503, 0.2296



53.7408, 0.3092, 0.2472



53.7408, 0.3757, 0.2819

Triad

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



53.7408, 0.3092, 0.2472



53.7408, 0.4192, 0.4220



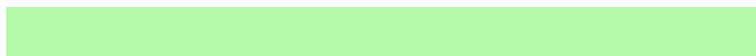
53.7408, 0.2098, 0.3139

Complementary

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



53.7408, 0.3092, 0.2472



80.0695, 0.3137, 0.4229

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.



53.7408, 0.2477, 0.3815



53.7408, 0.3092, 0.2472



53.7408, 0.3683, 0.4474

Square

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



53.7408, 0.3092, 0.2472



53.7408, 0.4423, 0.3772



53.7408, 0.3054, 0.4347



53.7408, 0.1979, 0.2609

Rectangle

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



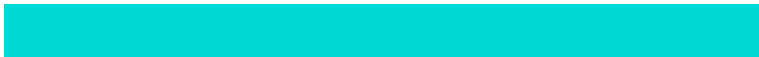
53.7408, 0.3092, 0.2472



53.7408, 0.4129, 0.3116



53.7408, 0.3054, 0.4347



53.7408, 0.2197, 0.3359

Sweetspot

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



53.7431, 0.3092, 0.2472



84.2566, 0.3119, 0.3042



47.2505, 0.2564, 0.2450



17.5969, 0.3118, 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.



53.7431, 0.3092, 0.2472



50.0490, 0.3080, 0.2297



53.5949, 0.3418, 0.2777



17.4198, 0.3120, 0.3055



11.9319, 0.2927, 0.1386



1.1324, 0.2963, 0.1406

Inverse Universe

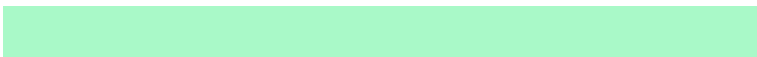
The Inverse Universe completely reimagines the original color for something new.



51.7298, 0.3786, 0.3195



47.6658, 0.3997, 0.3175



80.3312, 0.2919, 0.3868



17.2569, 0.3276, 0.3264



10.8354, 0.6267, 0.3226



1.0135, 0.6025, 0.3093

Previews

White Background



This preview shows how the Yxy color 53.7408, 0.3092, 0.2472 looks on a white background.

Color Contrast Check

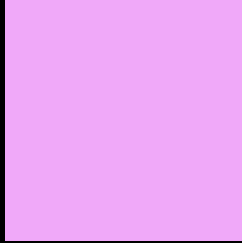
Large Text (above 18pt) WCAG AA × Fail

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 53.7408, 0.3092, 0.2472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

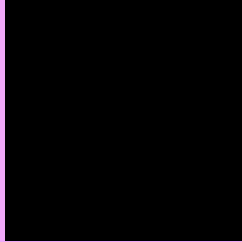
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.7408, 0.3092, 0.2472

Background



This preview shows how black text looks on a background with the Yxy color 53.7408, 0.3092, 0.2472.



This preview shows how white text looks on a background with the Yxy color 53.7408, 0.3092, 0.2472.

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

53.7408, 0.3092, 0.2472

Protanopia

54.1494, 0.2596, 0.2565

Deuteranopia

53.8586, 0.2718, 0.2655



Tritanopia

53.6934, 0.3464, 0.3134

Trichromacy



Original Color

53.7408, 0.3092, 0.2472



Protanomaly

53.5149, 0.2754, 0.2523



Deuteranomaly

53.2315, 0.2849, 0.2579



Tritanomaly

53.5679, 0.3326, 0.2877

Monochromacy



Original Color

53.7408, 0.3092, 0.2472



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

55.2723, 0.3118, 0.2960

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.7408, 0.3092, 0.2472 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(240, 169, 249)` looks like.

```
.text, #text, p{  
    color:rgb(240, 169, 249)  
}
```

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(240, 169, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 169, 249) }
```

Border

The CSS property to change the border of an element to Yxy 53.7408, 0.3092, 0.2472 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(240, 169, 249) }
```

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

```
.border{ border-color:rgb(240, 169, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 169, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 169, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 169, 249);  
box-shadow:4px 4px 4px 4px rgb(240, 169,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 53.7408, 0.3092, 0.2472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 169, 249) }
```

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

```
.background{ background-color: rgb(240,  
169, 249) }
```

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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