

Converting Colors

Yxy(50.7847, 0.3087, 0.2316)

Have a look what the booklet for
Yxy(50.7847, 0.3087, 0.2316)
contains.

Yxy(50.7464, 0.3089, 0.2314)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.7464, 0.3089, 0.2314)

Conversions

Conversions Part 1

Format	Color
Hex	F59DFF
RGB	245, 157, 255
RGB Percent	96%, 62%, 100%
CMY	0.0395, 0.3841, 0.0001
CMYK	0.04, 0.38, 0.00, 0.00
HSL	294°, 100%, 81%
HSV	294°, 38%, 100%
XYZ	67.7423, 50.7464, 100.8130
YIQ	194.4840, 20.9900, 49.1340

Conversions

Conversions Part 2

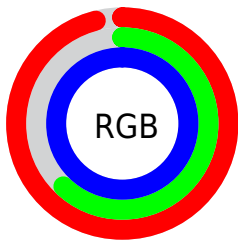
Format	Color
R _Y B	245, 157, 255
Decimal	16096767
CIE Lab	76.53, 47.81, -35.41
CIE LCh	77, 59.493, 323.479
Yxy	50.7464, 0.3089, 0.2314
Android (android.graphics.Color)	4294286847 (0xFFFF59DFF)
YUV	194.4840, 29.8344, 44.3025
Hunter-Lab	71.2365, 45.0805, -34.0409

Details

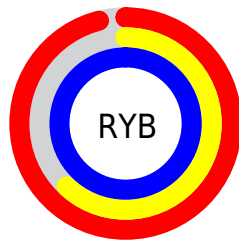
The Yxy color **50.7464, 0.3089, 0.2314** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **82.1673, 0.3129, 0.4449**, and the grayscale version is **54.0630, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0685, 0.3146, 0.2881**, and **24.3425, 0.3060, 0.2096** is the 20% darker color. If you saturate the color by 10%, you get **42.5324, 0.3072, 0.2075**, and if you desaturate by 10%, it is **60.7718, 0.3103, 0.2568**.

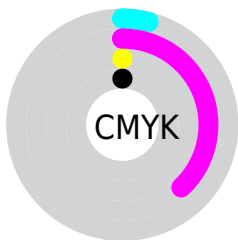
Distribution



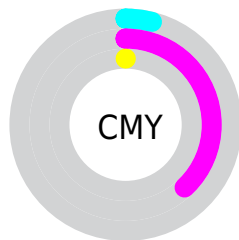
- Red (96%)
- Green (62%)
- Blue (100%)



- Red (96%)
- Yellow (62%)
- Blue (100%)



- Cyan (4%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)




- Cyan (4%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.7464, 0.3089, 0.2314 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 50.7464, 0.3089, 0.2314 by changing the saturation by 10% instead.


 50.7464, 0.3089,
0.2314

 50.7464, 0.3089,
0.2314


389.5777, 0.3122,
0.2752

 36.0068, 0.3078,
0.2218


 91.2798, 0.3103,
0.2463

 24.4395, 0.3062,
0.2102


 117.8424, 0.3108,
0.2522

 15.6599, 0.3040,
0.1959


149.1148, 0.3112,
0.2573

 9.2838, 0.3005,
0.1780

185.4814, 0.3115,
0.2617

 4.9268, 0.2951,
0.1549

227.3266, 0.3117,
0.2657

 2.2044, 0.2858,
0.1247

275.0348, 0.3119,

 0.7224, 0.2688,

0.2692

0.0839

328.9904, 0.3121,
0.2724

0.0000, 0.2413,
0.0000

0.0000, 0.0000,
0.0000

50.7464, 0.3089,
0.2314

50.7464, 0.3089,
0.2314

42.5324, 0.3072,
0.2075

60.7718, 0.3103,
0.2568

36.0103, 0.3051,
0.1861

72.7050, 0.3114,
0.2827

31.0566, 0.3029,
0.1682

86.6437, 0.3122,
0.3082

27.5285, 0.3004,
0.1546

99.9986, 0.3127,
0.3290

■ 25.2565, 0.2978,
0.1454

■ 24.0043, 0.2951,
0.1403

■ 23.8476, 0.2947,
0.1397

Harmonies

Analogous

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



50.7464, 0.2373, 0.2100



50.7464, 0.3089, 0.2314



50.7464, 0.3918, 0.2723

Triad

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



50.7464, 0.3089, 0.2314



50.7464, 0.4401, 0.4403



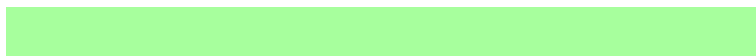
50.7464, 0.1874, 0.3066

Complementary

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



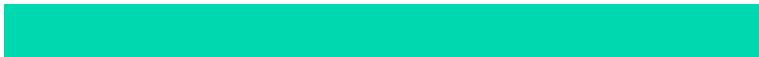
50.7464, 0.3089, 0.2314



82.1673, 0.3129, 0.4449

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.



50.7464, 0.2309, 0.3931



50.7464, 0.3089, 0.2314



50.7464, 0.3764, 0.4760

Square

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



50.7464, 0.3089, 0.2314



50.7464, 0.4717, 0.3845



50.7464, 0.2999, 0.4628



50.7464, 0.1750, 0.2433

Rectangle

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



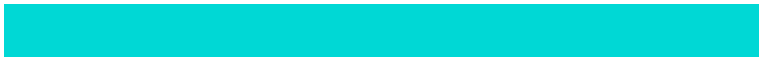
50.7464, 0.3089, 0.2314



50.7464, 0.4383, 0.3071



50.7464, 0.2999, 0.4628



50.7464, 0.1985, 0.3342

Sweetspot

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



50.7486, 0.3089, 0.2314



81.4161, 0.3120, 0.2991



42.5711, 0.2437, 0.2252



17.0324, 0.3119, 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.



50.7486, 0.3089, 0.2314



44.3600, 0.3076, 0.2131



50.4180, 0.3495, 0.2675



18.2001, 0.3122, 0.3055



12.5018, 0.2952, 0.1400



1.2434, 0.2983, 0.1417

Inverse Universe

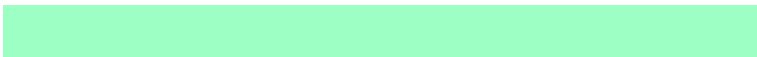
The Inverse Universe completely reimagines the original color for something new.



48.1789, 0.3987, 0.3187



41.5444, 0.4253, 0.3168



82.6001, 0.2883, 0.4005



18.0173, 0.3278, 0.3266



11.1580, 0.6284, 0.3236



1.0960, 0.6068, 0.3116

Previews

White Background



This preview shows how the Yxy color 50.7464, 0.3089, 0.2314 looks on a white background.

Color Contrast Check

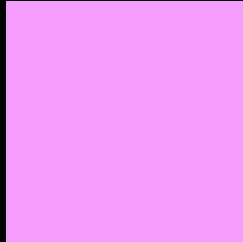
Large Text (above 18pt) WCAG AA × Fail

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 50.7464, 0.3089, 0.2314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

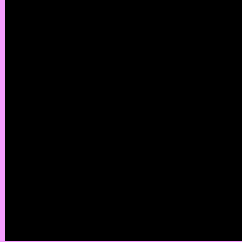
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.7464, 0.3089, 0.2314

Background



This preview shows how black text looks on a background with the Yxy color 50.7464, 0.3089, 0.2314.



This preview shows how white text looks on a background with the Yxy color 50.7464, 0.3089, 0.2314.

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

50.7464, 0.3089, 0.2314

Protanopia

51.1957, 0.2544, 0.2496

Deuteranopia

51.0186, 0.2603, 0.2540



Tritanopia

50.6700, 0.3587, 0.3146

Trichromacy



Original Color

50.7464, 0.3089, 0.2314



Protanomaly

50.1410, 0.2721, 0.2410



Deuteranomaly

49.9676, 0.2761, 0.2432

Tritanomaly

50.6413, 0.3406, 0.2826

Monochromacy



Original Color

50.7464, 0.3089, 0.2314



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

52.1517, 0.3121, 0.2888

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7464, 0.3089, 0.2314 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(245, 157, 255)` looks like.

```
.text, #text, p{  
    color:rgb(245, 157, 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(245, 157, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 157, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.7464, 0.3089, 0.2314 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(245, 157, 255) }
```

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

```
.border{ border-color:rgb(245, 157, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 157, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 157, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 157, 255);  
box-shadow:4px 4px 4px 4px rgb(245, 157,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7464, 0.3089, 0.2314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 157, 255) }
```

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

```
.background{ background-color: rgb(245,  
157, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor