

Converting Colors

Yxy(42.6608, 0.3191, 0.2054)

Have a look what the booklet for
Yxy(42.6608, 0.3191, 0.2054)
contains.

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Color

Yxy(42.5817, 0.3194, 0.2054)

Conversions

Conversions Part 1

Format	Color
Hex	FF7BFE
RGB	255, 123, 254
RGB Percent	100%, 48%, 100%
CMY	0.0000, 0.5176, 0.0038
CMYK	0.00, 0.52, 0.00, 0.00
HSL	300°, 100%, 74%
HSV	300°, 52%, 100%
XYZ	66.2152, 42.5817, 98.5142
YIQ	177.4020, 36.6210, 68.7250

Conversions

Conversions Part 2

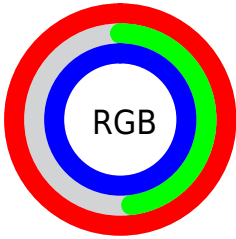
Format	Color
R_{YB}	255, 123, 254
Decimal	16743422
CIE _{Lab}	71.27, 67.08, -42.97
CIE _{LCh}	71, 79.664, 327.355
Yxy	42.5817, 0.3194, 0.2054
Android (android.graphics.Color)	4294933502 (0xFFFF7BFE)
YUV	177.4020, 37.7628, 68.0534
Hunter-Lab	65.2547, 66.9318, -43.8312

Details

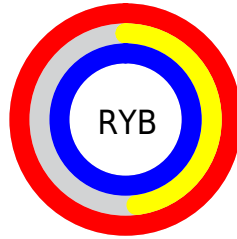
The Yxy color **42.5817, 0.3194, 0.2054** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **77.1857, 0.3045, 0.4941**, and the grayscale version is **43.9729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1225, 0.3162, 0.2556**, and **19.5476, 0.3185, 0.1793** is the 20% darker color. If you saturate the color by 10%, you get **37.0474, 0.3205, 0.1872**, and if you desaturate by 10%, it is **49.7666, 0.3182, 0.2268**.

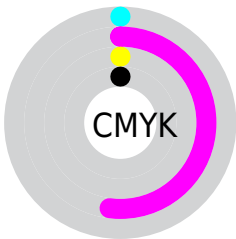
Distribution



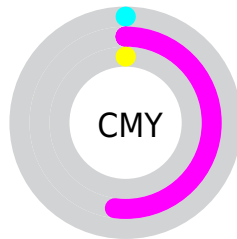
- Red (100%)
- Green (48%)
- Blue (100%)



- Red (100%)
- Yellow (48%)
- Blue (100%)



- Cyan (0%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (52%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.5817, 0.3194, 0.2054 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 42.5817, 0.3194, 0.2054 by changing the saturation by 10% instead.

 42.5817, 0.3194,
0.2054


 42.5817, 0.3194,
0.2054


356.8887, 0.3187,
0.2605

 29.5570, 0.3190,
0.1935


 79.0792, 0.3196,
0.2240

 19.5026, 0.3182,
0.1793


 103.3209, 0.3196,
0.2314

 12.0340, 0.3167,
0.1620


 132.0704, 0.3195,
0.2378

 6.7669, 0.3139,
0.1406

165.7121, 0.3193,
0.2434

 3.3167, 0.3088,
0.1141

204.6304, 0.3192,
0.2484

 1.2992, 0.2990,
0.0812

249.2096, 0.3190,

 0.1406, 0.2860,

0.2529

0.0187

299.8343, 0.3188,
0.2569

■ 0.0000, 0.2360,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.5817, 0.3194,
0.2054

■ 42.5817, 0.3194,
0.2054

■ 37.0474, 0.3205,
0.1872

■ 49.7666, 0.3182,
0.2268

■ 33.0279, 0.3214,
0.1729


■ 58.7139, 0.3169,
0.2503


■ 30.3744, 0.3221,
0.1629

■ 69.5313, 0.3156,
0.2751

■ 28.9054, 0.3225,
0.1573

■ 82.3166, 0.3142,
0.3001

 28.3591, 0.3228,
0.1552

 97.1607, 0.3129,
0.3248

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



42.5817, 0.2197, 0.1749



42.5817, 0.3194, 0.2054



42.5817, 0.4378, 0.2590

Triad

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



42.5817, 0.3194, 0.2054



42.5817, 0.4677, 0.4779



42.5817, 0.1413, 0.2777

Complementary

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



42.5817, 0.3194, 0.2054



77.1857, 0.3045, 0.4941

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.



42.5817, 0.1881, 0.4037



42.5817, 0.3194, 0.2054



42.5817, 0.3757, 0.5373

Square

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



42.5817, 0.3194, 0.2054



42.5817, 0.5259, 0.4000



42.5817, 0.2740, 0.5197



42.5817, 0.1334, 0.2020

Rectangle

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



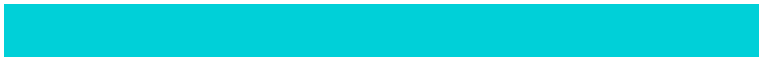
42.5817, 0.3194, 0.2054



42.5817, 0.5002, 0.3029



42.5817, 0.2740, 0.5197



42.5817, 0.1521, 0.3151

Sweetspot

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



42.5834, 0.3194, 0.2054



76.6550, 0.3148, 0.2895



25.5971, 0.2125, 0.1634



15.8465, 0.3151, 0.2844



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.



42.5834, 0.3194, 0.2054



36.9358, 0.3205, 0.1868



39.1003, 0.3853, 0.2619



18.2979, 0.3139, 0.3058



14.8193, 0.3228, 0.1552



1.4436, 0.3225, 0.1551

Inverse Universe

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



42.5834, 0.3194, 0.2054



36.9358, 0.3205, 0.1868



79.4052, 0.2749, 0.4110



18.2979, 0.3139, 0.3058



14.8193, 0.3228, 0.1552



1.4436, 0.3225, 0.1551

Previews

White Background



This preview shows how the Yxy color 42.5817, 0.3194, 0.2054 looks on a white background.

Color Contrast Check

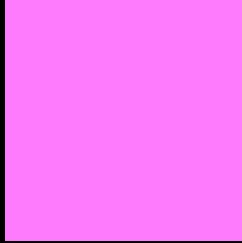
Large Text (above 18pt) WCAG AA × Fail

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 42.5817, 0.3194, 0.2054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

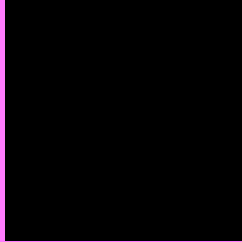
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.5817, 0.3194, 0.2054

Background



This preview shows how black text looks on a background with the Yxy color 42.5817, 0.3194, 0.2054.



This preview shows how white text looks on a background with the Yxy color 42.5817, 0.3194, 0.2054.

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

42.5817, 0.3194, 0.2054

Protanopia

42.8360, 0.2375, 0.2278

Deuteranopia

42.9637, 0.2454, 0.2396



Tritanopia

42.3907, 0.4008, 0.3171

Trichromacy



Original Color

42.5817, 0.3194, 0.2054



Protanomaly

40.7703, 0.2617, 0.2140



Deuteranomaly

40.9114, 0.2679, 0.2218

Tritanomaly

41.8014, 0.3697, 0.2708

Monochromacy



Original Color

42.5817, 0.3194, 0.2054



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

41.5009, 0.3154, 0.2713

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5817, 0.3194, 0.2054 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, 123, 254)` looks like.

```
.text, #text, p{  
    color:rgb(255, 123, 254)  
}
```

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, 123, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 123, 254) }
```

Border

The CSS property to change the border of an element to Yxy 42.5817, 0.3194, 0.2054 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, 123, 254) }
```

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

```
.border{ border-color:rgb(255, 123, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 123, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 123, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 123, 254);  
box-shadow:4px 4px 4px 4px rgb(255, 123,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5817, 0.3194, 0.2054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 123, 254) }
```

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

```
.background{ background-color: rgb(255,  
123, 254) }
```

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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