

Converting Colors

$Y_{xy}(48.2781, 0.3454, 0.2280)$

Have a look what the booklet for
Yxy(48.2781, 0.3454, 0.2280)
contains.

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Color

Yxy(44.5061, 0.3287, 0.2223)

Conversions

Conversions Part 1

Format	Color
Hex	FF85F3
RGB	255, 133, 243
RGB Percent	100%, 52%, 95%
CMY	0.0000, 0.4784, 0.0472
CMYK	0.00, 0.48, 0.05, 0.00
HSL	306°, 100%, 76%
HSV	306°, 48%, 100%
XYZ	65.8082, 44.5061, 89.8931
YIQ	182.0180, 37.4020, 60.0740

Conversions

Conversions Part 2

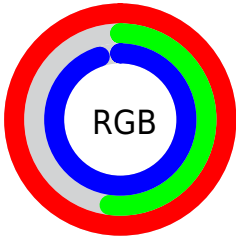
Format	Color
RYB	255, 133, 243
Decimal	16745971
CIELab	72.57, 60.59, -34.92
CIELCh	73, 69.931, 330.040
Yxy	44.5061, 0.3287, 0.2223
Android (android.graphics.Color)	4294936051 (0xFFFF85F3)
YUV	182.0180, 30.0641, 64.0052
Hunter-Lab	66.7129, 59.3317, -33.1920

Details

The Yxy color **44.5061, 0.3287, 0.2223** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **78.5513, 0.3002, 0.4665**, and the grayscale version is **46.6037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3069, 0.3157, 0.2653**, and **20.5887, 0.3313, 0.1989** is the 20% darker color. If you saturate the color by 10%, you get **38.1977, 0.3326, 0.2038**, and if you desaturate by 10%, it is **52.5056, 0.3248, 0.2433**.

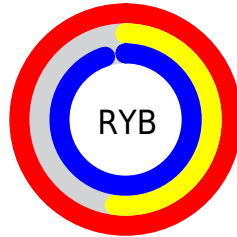
Distribution



Red (100%)

Green (52%)

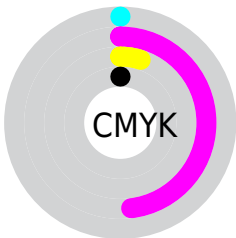
Blue (95%)



Red (100%)

Yellow (52%)

Blue (95%)

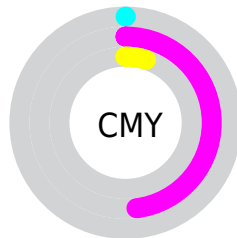


Cyan (0%)

Magenta (48%)

Yellow (5%)

Black (0%)



Cyan (0%)


Magenta (48%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.5061, 0.3287, 0.2223 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 44.5061, 0.3287, 0.2223 by changing the saturation by 10% instead.


 44.5061, 0.3287,
0.2223

 44.5061, 0.3287,
0.2223


364.7696, 0.3228,
0.2706

 31.0686, 0.3297,
0.2117


 81.9788, 0.3270,
0.2387

 20.6511, 0.3306,
0.1988


 106.7827, 0.3262,
0.2452

 12.8692, 0.3315,
0.1829

 136.1442, 0.3255,
0.2509

 7.3385, 0.3321,
0.1630

170.4477, 0.3249,
0.2558

 3.6747, 0.3318,
0.1374

210.0776, 0.3243,
0.2601

 1.4933, 0.3291,
0.1042

255.4183, 0.3237,

 0.2840, 0.3263,

0.2640

0.0438

306.8541, 0.3232,
0.2674

■ 0.0000, 0.2944,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.5061, 0.3287,
0.2223

■ 44.5061, 0.3287,
0.2223

■ 38.1977, 0.3326,
0.2038

■ 52.5056, 0.3248,
0.2433

■ 33.4637, 0.3366,
0.1887

■ 62.3167, 0.3212,
0.2657

■ 30.1597, 0.3404,
0.1778

■ 74.0392, 0.3179,
0.2888

■ 28.1181, 0.3440,
0.1714

■ 87.7681, 0.3148,
0.3116

■ 27.1151, 0.3473,
0.1692

100.0000, 0.3127,
0.3290

■ 26.9653, 0.3480,
0.1691

Harmonies

Analogous

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



44.5061, 0.2377, 0.1922



44.5061, 0.3287, 0.2223



44.5061, 0.4299, 0.2731

Triad

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



44.5061, 0.3287, 0.2223



44.5061, 0.4474, 0.4709



44.5061, 0.1578, 0.2787

Complementary

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



44.5061, 0.3287, 0.2223



78.5513, 0.3002, 0.4665

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.



44.5061, 0.1986, 0.3835



44.5061, 0.3287, 0.2223



44.5061, 0.3649, 0.5124

Square

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



44.5061, 0.3287, 0.2223



44.5061, 0.4994, 0.4041



44.5061, 0.2740, 0.4841



44.5061, 0.1523, 0.2137

Rectangle

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



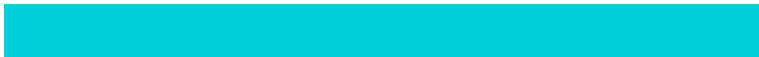
44.5061, 0.3287, 0.2223



44.5061, 0.4808, 0.3142



44.5061, 0.2740, 0.4841



44.5061, 0.1672, 0.3100

Sweetspot

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



44.5034, 0.3287, 0.2223



79.0751, 0.3167, 0.2976



29.8482, 0.2276, 0.1798



16.3125, 0.3173, 0.2926



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.



44.5034, 0.3287, 0.2223



38.6677, 0.3323, 0.2052



41.4876, 0.3886, 0.2767



18.2677, 0.3153, 0.3079



14.1026, 0.3475, 0.1688



1.3817, 0.3441, 0.1669

Inverse Universe

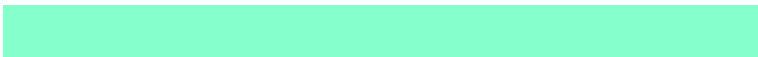
The Inverse Universe completely reimagines the original color for something new.



44.5034, 0.3287, 0.2223



38.6677, 0.3323, 0.2052



80.8738, 0.2721, 0.3905



18.2677, 0.3153, 0.3079



14.1026, 0.3475, 0.1688



1.3817, 0.3441, 0.1669

Previews

White Background



This preview shows how the Yxy color 44.5061, 0.3287, 0.2223 looks on a white background.

Color Contrast Check

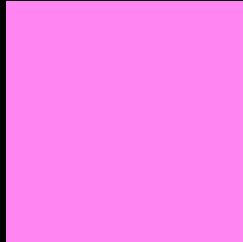
Large Text (above 18pt) WCAG AA × Fail

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 44.5061, 0.3287, 0.2223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

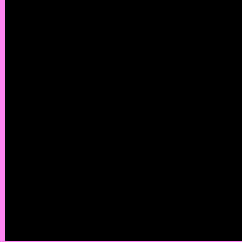
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.5061, 0.3287, 0.2223

Background



This preview shows how black text looks on a background with the Yxy color 44.5061, 0.3287, 0.2223.

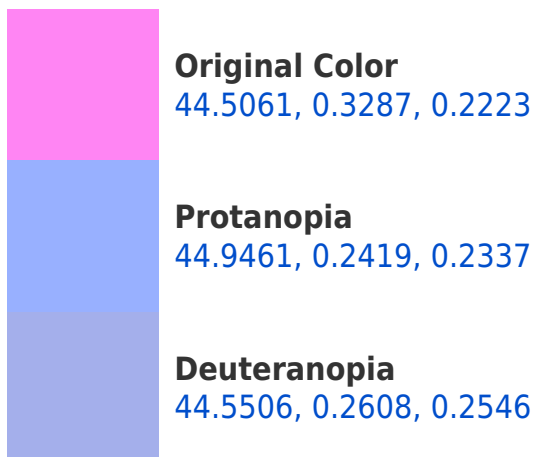


This preview shows how white text looks on a background with the Yxy color 44.5061, 0.3287, 0.2223.

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





Tritanopia

44.1900, 0.3958, 0.3161

Trichromacy



Original Color

44.5061, 0.3287, 0.2223



Protanomaly

42.9255, 0.2672, 0.2250



Deuteranomaly

43.1850, 0.2823, 0.2389



Tritanomaly

43.8920, 0.3713, 0.2783

Monochromacy



Original Color

44.5061, 0.3287, 0.2223



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

44.4659, 0.3195, 0.2815

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.5061, 0.3287, 0.2223 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, 133, 243)` looks like.

```
.text, #text, p{  
    color:rgb(255, 133, 243)  
}
```

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, 133, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 133, 243) }
```

Border

The CSS property to change the border of an element to Yxy 44.5061, 0.3287, 0.2223 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, 133, 243) }
```

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

```
.border{ border-color:rgb(255, 133, 243) }
```

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

Here you see how a box with a 4 pixel rgb(255, 133, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 133, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 133, 243);  
box-shadow:4px 4px 4px 4px rgb(255, 133,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 44.5061, 0.3287, 0.2223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 133, 243) }
```

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

```
.background{ background-color: rgb(255,  
133, 243) }
```

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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