

Converting Colors

$Y_{xy}(69.2503, 0.4166, 0.2566)$

Have a look what the booklet for
Yxy(69.2503, 0.4166, 0.2566)
contains.

Yxy(45.0414, 0.3330, 0.2290)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.0414, 0.3330, 0.2290)

Conversions

Conversions Part 1

Format	Color
Hex	FF88EE
RGB	255, 136, 238
RGB Percent	100%, 53%, 93%
CMY	0.0000, 0.4668, 0.0666
CMYK	0.00, 0.47, 0.07, 0.00
HSL	309°, 100%, 77%
HSV	309°, 47%, 100%
XYZ	65.4969, 45.0414, 86.1491
YIQ	183.2090, 38.1820, 56.9500

Conversions

Conversions Part 2

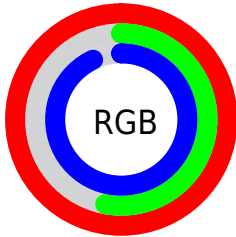
Format	Color
R _Y B	255, 136, 238
Decimal	16746734
CIE Lab	72.92, 58.36, -31.67
CIE LCh	73, 66.403, 331.513
Yxy	45.0414, 0.3330, 0.2290
Android (android.graphics.Color)	4294936814 (0xFFFF88EE)
YUV	183.2090, 27.0120, 62.9607
Hunter-Lab	67.1129, 56.7544, -29.1282

Details

The Yxy color **45.0414, 0.3330, 0.2290** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **79.0485, 0.2980, 0.4560**, and the grayscale version is **47.2946, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.1793, 0.3156, 0.2673**, and **20.9980, 0.3359, 0.2066** is the 20% darker color. If you saturate the color by 10%, you get **38.4740, 0.3384, 0.2108**, and if you desaturate by 10%, it is **53.3008, 0.3278, 0.2494**.

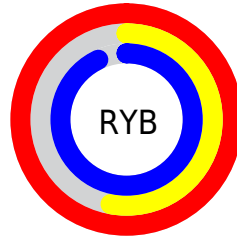
Distribution



Red (100%)

Green (53%)

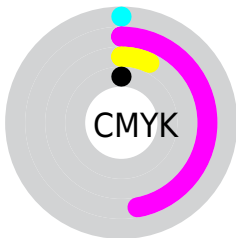
Blue (93%)



Red (100%)

Yellow (53%)

Blue (93%)

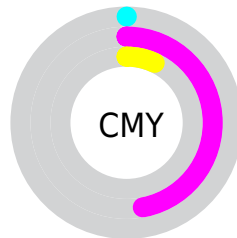


Cyan (0%)

Magenta (47%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (47%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0414, 0.3330, 0.2290 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 45.0414, 0.3330, 0.2290 by changing the saturation by 10% instead.


 45.0414, 0.3330,
0.2290


 45.0414, 0.3330,
0.2290


366.9412, 0.3247,
0.2745

 31.4900, 0.3346,
0.2189


 82.7825, 0.3304,
0.2446

 20.9723, 0.3363,
0.2066

 107.7411, 0.3293,
0.2507

 13.1037, 0.3383,
0.1914

 137.2708, 0.3283,
0.2560

 7.5000, 0.3404,
0.1721

171.7562, 0.3275,
0.2606

 3.7767, 0.3423,
0.1470

211.5815, 0.3267,
0.2647

 1.5495, 0.3430,
0.1140

257.1312, 0.3260,

 0.3232, 0.3458,

0.2684

0.0537

308.7896, 0.3253,
0.2716

■ 0.0000, 0.3241,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.0414, 0.3330,
0.2290

■ 45.0414, 0.3330,
0.2290

■ 38.4740, 0.3384,
0.2108

■ 53.3008, 0.3278,
0.2494

■ 33.5060, 0.3440,
0.1958

■ 63.3939, 0.3230,
0.2711

■ 29.9877, 0.3495,
0.1848

■ 75.4121, 0.3188,
0.2932

■ 27.7553, 0.3548,
0.1784

■ 89.4496, 0.3150,
0.3149

■ 26.6026, 0.3598,
0.1765

100.0000, 0.3127,
0.3290

■ 26.3554, 0.3614,
0.1765

Harmonies

Analogous

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



45.0414, 0.2452, 0.1989



45.0414, 0.3330, 0.2290



45.0414, 0.4279, 0.2788

Triad

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



45.0414, 0.3330, 0.2290



45.0414, 0.4389, 0.4682



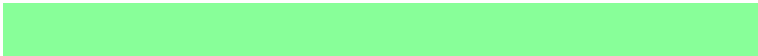
45.0414, 0.1636, 0.2780

Complementary

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



45.0414, 0.3330, 0.2290



79.0485, 0.2980, 0.4560

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.



45.0414, 0.2017, 0.3754



45.0414, 0.3330, 0.2290



45.0414, 0.3596, 0.5030

Square

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



45.0414, 0.3330, 0.2290



45.0414, 0.4893, 0.4057



45.0414, 0.2728, 0.4711



45.0414, 0.1595, 0.2174

Rectangle

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



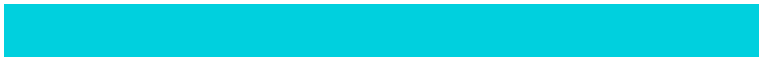
45.0414, 0.3330, 0.2290



45.0414, 0.4745, 0.3189



45.0414, 0.2728, 0.4711



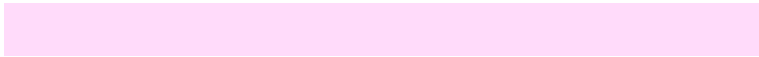
45.0414, 0.1723, 0.3072

Sweetspot

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



45.0312, 0.3329, 0.2290



78.9761, 0.3177, 0.2991



31.4758, 0.2342, 0.1853



16.2882, 0.3186, 0.2944



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.



45.0312, 0.3329, 0.2290



38.8697, 0.3380, 0.2119



42.1360, 0.3924, 0.2839



18.2532, 0.3160, 0.3089



13.7883, 0.3607, 0.1761



1.3542, 0.3554, 0.1732

Inverse Universe

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



45.0312, 0.3329, 0.2290



38.8697, 0.3380, 0.2119



81.4716, 0.2700, 0.3812



18.2532, 0.3160, 0.3089



13.7883, 0.3607, 0.1761



1.3542, 0.3554, 0.1732

Previews

White Background



This preview shows how the Yxy color 45.0414, 0.3330, 0.2290 looks on a white background.

Color Contrast Check

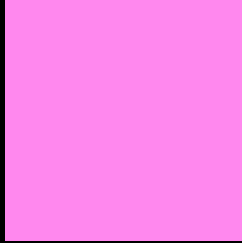
Large Text (above 18pt) WCAG AA × Fail

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 45.0414, 0.3330, 0.2290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

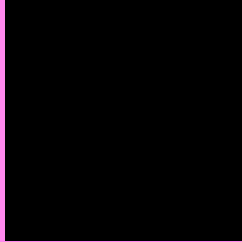
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.0414, 0.3330, 0.2290

Background



This preview shows how black text looks on a background with the Yxy color 45.0414, 0.3330, 0.2290.

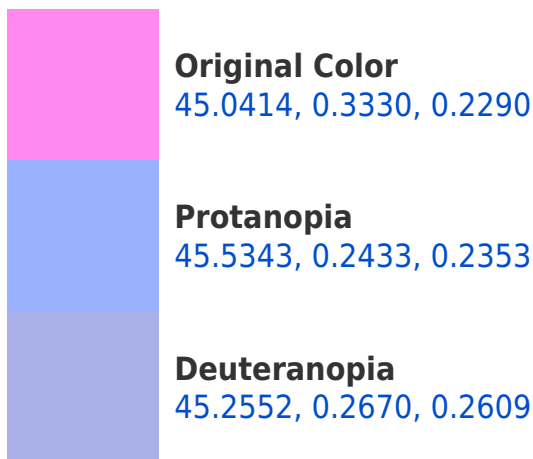


This preview shows how white text looks on a background with the Yxy color 45.0414, 0.3330, 0.2290.

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

44.7296, 0.3954, 0.3162

Trichromacy



Original Color

45.0414, 0.3330, 0.2290



Protanomaly

43.7566, 0.2702, 0.2296



Deuteranomaly

43.7096, 0.2877, 0.2446



Tritanomaly

44.4591, 0.3719, 0.2814

Monochromacy



Original Color

45.0414, 0.3330, 0.2290



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

45.1395, 0.3202, 0.2850

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0414, 0.3330, 0.2290 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, 136, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 136, 238)  
}
```

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, 136, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 136, 238) }
```

Border

The CSS property to change the border of an element to Yxy 45.0414, 0.3330, 0.2290 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, 136, 238) }
```

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

```
.border{ border-color:rgb(255, 136, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 136, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 136, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 136, 238);  
box-shadow:4px 4px 4px 4px rgb(255, 136,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0414, 0.3330, 0.2290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 136, 238) }
```

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

```
.background{ background-color: rgb(255,  
136, 238) }
```

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