

Converting Colors

$Y_{xy}(44.8450, 0.3419, 0.2386)$

Have a look what the booklet for
Yxy(44.8450, 0.3419, 0.2386)
contains.

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Color

Yxy(44.7528, 0.3422, 0.2386)

Conversions

Conversions Part 1

Format	Color
Hex	FF89E4
RGB	255, 137, 228
RGB Percent	100%, 54%, 89%
CMY	0.0000, 0.4627, 0.1060
CMYK	0.00, 0.46, 0.11, 0.00
HSL	314°, 100%, 77%
HSV	314°, 46%, 100%
XYZ	64.1844, 44.7528, 78.6269
YIQ	182.6560, 41.1170, 53.3170

Conversions

Conversions Part 2

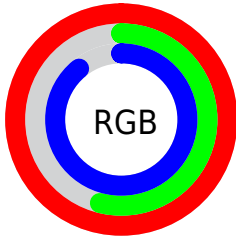
Format	Color
R _Y B	255, 137, 228
Decimal	16746980
CIE _{Lab}	72.73, 56.21, -26.45
CIE _{LCh}	73, 62.126, 334.801
Yxy	44.7528, 0.3422, 0.2386
Android (android.graphics.Color)	4294937060 (0xFFFF89E4)
YUV	182.6560, 22.3546, 63.4457
Hunter-Lab	66.8975, 54.1901, -22.8572

Details

The Yxy color **44.7528, 0.3422, 0.2386** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **79.5209, 0.2932, 0.4417**, and the grayscale version is **47.0163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6199, 0.3156, 0.2683**, and **20.7489, 0.3488, 0.2178** is the 20% darker color. If you saturate the color by 10%, you get **38.0219, 0.3508, 0.2216**, and if you desaturate by 10%, it is **53.2118, 0.3343, 0.2575**.

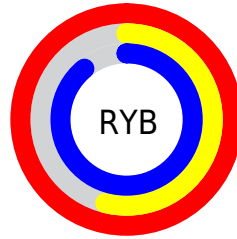
Distribution



Red (100%)

Green (54%)

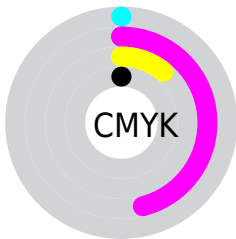
Blue (89%)



Red (100%)

Yellow (54%)

Blue (89%)

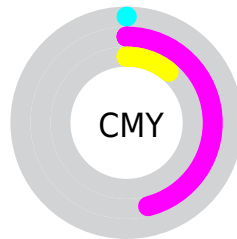


Cyan (0%)

Magenta (46%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (46%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.7528, 0.3422, 0.2386 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 44.7528, 0.3422, 0.2386 by changing the saturation by 10% instead.


 44.7528, 0.3422,
0.2386

 44.7528, 0.3422,
0.2386

365.7715, 0.3291,
0.2803

 31.2628, 0.3450,
0.2292

 82.3493, 0.3378,
0.2530

 20.7990, 0.3485,
0.2177


 107.2246, 0.3360,
0.2586

 12.9772, 0.3526,
0.2033


 136.6638, 0.3345,
0.2634

 7.4128, 0.3578,
0.1848

171.0512, 0.3331,
0.2677

 3.7216, 0.3642,
0.1604

210.7713, 0.3319,
0.2714

 1.5191, 0.3721,
0.1274

256.2084, 0.3309,

 0.3021, 0.3895,

0.2747

0.0603

307.7470, 0.3299,
0.2776

■ 0.0000, 0.3843,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.7528, 0.3422,
0.2386

■ 44.7528, 0.3422,
0.2386

■ 38.0219, 0.3508,
0.2216

■ 53.2118, 0.3343,
0.2575

■ 32.8901, 0.3599,
0.2077

■ 63.5032, 0.3273,
0.2775

■ 29.2206, 0.3692,
0.1977

■ 75.7305, 0.3210,
0.2975

■ 26.8508, 0.3784,
0.1924

■ 89.9878, 0.3157,
0.3171

■ 25.5781, 0.3873,
0.1919

99.9997, 0.3127,
0.3290

■ 25.2711, 0.3905,
0.1925

Harmonies

Analogous

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



44.7528, 0.2572, 0.2074



44.7528, 0.3422, 0.2386



44.7528, 0.4293, 0.2880

Triad

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



44.7528, 0.3422, 0.2386



44.7528, 0.4259, 0.4669



44.7528, 0.1693, 0.2737

Complementary

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



44.7528, 0.3422, 0.2386



79.5209, 0.2932, 0.4417

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.



44.7528, 0.2025, 0.3619



44.7528, 0.3422, 0.2386



44.7528, 0.3493, 0.4921

Square

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



44.7528, 0.3422, 0.2386



44.7528, 0.4766, 0.4103



44.7528, 0.2674, 0.4533



44.7528, 0.1685, 0.2197

Rectangle

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



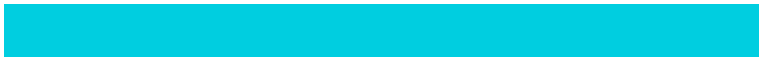
44.7528, 0.3422, 0.2386



44.7528, 0.4696, 0.3270



44.7528, 0.2674, 0.4533



44.7528, 0.1766, 0.2999

Sweetspot

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



44.7549, 0.3422, 0.2386



78.7840, 0.3198, 0.3020



32.8578, 0.2420, 0.1893



16.2409, 0.3210, 0.2977



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.



44.7549, 0.3422, 0.2386



38.1814, 0.3505, 0.2220



42.0746, 0.4023, 0.2944



18.2250, 0.3173, 0.3109



13.2288, 0.3891, 0.1917



1.3046, 0.3797, 0.1865

Inverse Universe

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



44.7549, 0.3422, 0.2386



38.1814, 0.3505, 0.2220



82.0897, 0.2657, 0.3684



18.2250, 0.3173, 0.3109



13.2288, 0.3891, 0.1917



1.3046, 0.3797, 0.1865

Previews

White Background



This preview shows how the Yxy color 44.7528, 0.3422, 0.2386 looks on a white background.

Color Contrast Check

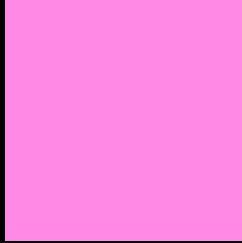
Large Text (above 18pt) WCAG AA × Fail

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 44.7528, 0.3422, 0.2386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

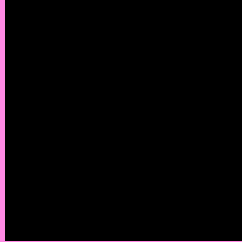
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.7528, 0.3422, 0.2386

Background



This preview shows how black text looks on a background with the Yxy color 44.7528, 0.3422, 0.2386.



This preview shows how white text looks on a background with the Yxy color 44.7528, 0.3422, 0.2386.

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

44.7528, 0.3422, 0.2386

Protanopia

45.1407, 0.2432, 0.2340

Deuteranopia

44.9944, 0.2779, 0.2715



Tritanopia

44.6983, 0.3997, 0.3174

Trichromacy



Original Color

44.7528, 0.3422, 0.2386



Protanomaly

43.5096, 0.2729, 0.2333



Deuteranomaly

43.7089, 0.2987, 0.2555



Tritanomaly

44.6122, 0.3789, 0.2869

Monochromacy



Original Color

44.7528, 0.3422, 0.2386



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

44.9513, 0.3236, 0.2895

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.7528, 0.3422, 0.2386 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, 137, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 228)  
}
```

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, 137, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 228) }
```

Border

The CSS property to change the border of an element to Yxy 44.7528, 0.3422, 0.2386 is called "border". The border property can be set on classes, ids or directly on the HTML element.

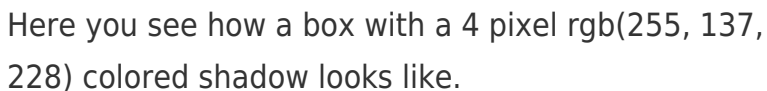
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 137, 228) }
```

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

```
.border{ border-color:rgb(255, 137, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 137, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 137, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 137, 228); box-shadow:4px 4px 4px 4px rgb(255, 137, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 44.7528, 0.3422, 0.2386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 137, 228) }
```

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

```
.background{ background-color: rgb(255,  
137, 228) }
```

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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