

Converting Colors

$Y_{xy}(45.0634, 0.3530, 0.2522)$

Have a look what the booklet for
Yxy(45.0634, 0.3530, 0.2522)
contains.

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Color

Yxy(44.9740, 0.3534, 0.2522)

Conversions

Conversions Part 1

Format	Color
Hex	FF8CD8
RGB	255, 140, 216
RGB Percent	100%, 55%, 85%
CMY	0.0000, 0.4510, 0.1529
CMYK	0.00, 0.45, 0.15, 0.00
HSL	320°, 100%, 77%
HSV	320°, 45%, 100%
XYZ	63.0207, 44.9740, 70.3321
YIQ	183.0490, 44.1440, 48.0160

Conversions

Conversions Part 2

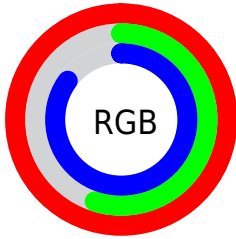
Format	Color
R _Y B	255, 140, 216
Decimal	16747736
CIE Lab	72.87, 52.92, -19.65
CIE LCh	73, 56.449, 339.624
Yxy	44.9740, 0.3534, 0.2522
Android (android.graphics.Color)	4294937816 (0xFFFF8CD8)
YUV	183.0490, 16.2448, 63.1010
Hunter-Lab	67.0627, 50.3818, -15.2366

Details

The Yxy color **44.9740, 0.3534, 0.2522** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **80.3482, 0.2875, 0.4222**, and the grayscale version is **47.2692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9599, 0.3154, 0.2712**, and **20.9645, 0.3633, 0.2341** is the 20% darker color. If you saturate the color by 10%, you get **37.9280, 0.3663, 0.2370**, and if you desaturate by 10%, it is **53.7642, 0.3419, 0.2690**.

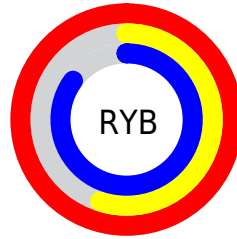
Distribution



Red (100%)

Green (55%)

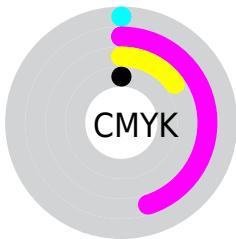
Blue (85%)



Red (100%)

Yellow (55%)

Blue (85%)

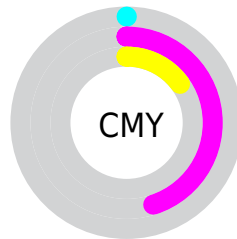


Cyan (0%)

Magenta (45%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (45%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9740, 0.3534, 0.2522 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 44.9740, 0.3534, 0.2522 by changing the saturation by 10% instead.


 44.9740, 0.3534,
0.2522

 44.9740, 0.3534,
0.2522


366.6682, 0.3342,
0.2881

 31.4369, 0.3578,
0.2439


 82.6814, 0.3467,
0.2647

 20.9318, 0.3634,
0.2337


 107.6205, 0.3441,
0.2696

 13.0742, 0.3704,
0.2208


137.1291, 0.3419,
0.2738

 7.4796, 0.3796,
0.2039

171.5916, 0.3399,
0.2774

 3.7638, 0.3922,
0.1812

211.3924, 0.3382,
0.2806

 1.5423, 0.4103,
0.1491

256.9158, 0.3367,

 0.3183, 0.4496,

0.2834

0.0777

308.5463, 0.3354,
0.2859

0.0000, 0.5127,
0.0000

0.0000, 0.0000,
0.0000

44.9740, 0.3534,
0.2522

44.9740, 0.3534,
0.2522

37.9280, 0.3663,
0.2370

53.7642, 0.3419,
0.2690

32.5134, 0.3803,
0.2245

64.4169, 0.3319,
0.2865

28.5905, 0.3952,
0.2158

77.0298, 0.3233,
0.3039

25.9995, 0.4103,
0.2120

91.6964, 0.3160,
0.3207

■ 24.5439, 0.4251,
0.2134

100.0000, 0.3127,
0.3290

■ 24.1079, 0.4322,
0.2155

Harmonies

Analogous

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



44.9740, 0.2736, 0.2199



44.9740, 0.3534, 0.2522



44.9740, 0.4291, 0.3005

Triad

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



44.9740, 0.3534, 0.2522



44.9740, 0.4077, 0.4623



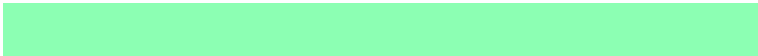
44.9740, 0.1783, 0.2693

Complementary

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



44.9740, 0.3534, 0.2522



80.3482, 0.2875, 0.4222

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.



44.9740, 0.2049, 0.3453



44.9740, 0.3534, 0.2522



44.9740, 0.3355, 0.4746

Square

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



44.9740, 0.3534, 0.2522



44.9740, 0.4583, 0.4150



44.9740, 0.2612, 0.4292



44.9740, 0.1818, 0.2241

Rectangle

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



44.9740, 0.3534, 0.2522



44.9740, 0.4609, 0.3378



44.9740, 0.2612, 0.4292



44.9740, 0.1838, 0.2917

Sweetspot

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



44.9712, 0.3534, 0.2522



78.5446, 0.3224, 0.3058



35.4763, 0.2543, 0.1967



16.1823, 0.3241, 0.3021



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.



44.9712, 0.3534, 0.2522



38.6224, 0.3648, 0.2385



42.5214, 0.4138, 0.3093



18.1896, 0.3190, 0.3134



12.6259, 0.4299, 0.2142



1.2498, 0.4142, 0.2055

Inverse Universe

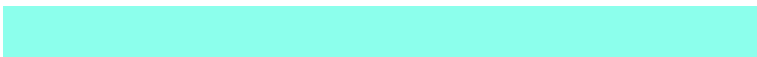
The Inverse Universe completely reimagines the original color for something new.



44.9712, 0.3534, 0.2522



38.6224, 0.3648, 0.2385



83.1408, 0.2605, 0.3510



18.1896, 0.3190, 0.3134



12.6259, 0.4299, 0.2142



1.2498, 0.4142, 0.2055

Previews

White Background



This preview shows how the Yxy color 44.9740, 0.3534, 0.2522 looks on a white background.

Color Contrast Check

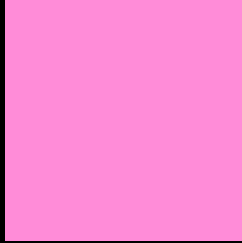
Large Text (above 18pt) WCAG AA × Fail

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 44.9740, 0.3534, 0.2522 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 44.9740, 0.3534, 0.2522

Background



This preview shows how black text looks on a background with the Yxy color 44.9740, 0.3534, 0.2522.



This preview shows how white text looks on a background with the Yxy color 44.9740, 0.3534, 0.2522.

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

44.9740, 0.3534, 0.2522

Protanopia

45.3287, 0.2543, 0.2492

Deuteranopia

45.2582, 0.2913, 0.2850



Tritanopia

44.8816, 0.4007, 0.3174

Trichromacy



Original Color

44.9740, 0.3534, 0.2522



Protanomaly

44.0362, 0.2845, 0.2482



Deuteranomaly

44.1494, 0.3128, 0.2703



Tritanomaly

44.7541, 0.3829, 0.2921

Monochromacy



Original Color

44.9740, 0.3534, 0.2522



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

45.1329, 0.3270, 0.2954

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9740, 0.3534, 0.2522 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, 140, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 216)  
}
```

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, 140, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 216) }
```

Border

The CSS property to change the border of an element to Yxy 44.9740, 0.3534, 0.2522 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, 140, 216) }
```

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

```
.border{ border-color:rgb(255, 140, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 140, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 140, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 140, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 140,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9740, 0.3534, 0.2522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 140, 216) }
```

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

```
.background{ background-color: rgb(255,  
140, 216) }
```

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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