

Converting Colors

$Y_{xy}(44.7575, 0.3199, 0.2131)$

Have a look what the booklet for
Yxy(44.7575, 0.3199, 0.2131)
contains.

Yxy(44.8544, 0.3199, 0.2135)	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(44.8544, 0.3199, 0.2135)

Conversions

Conversions Part 1

Format	Color
Hex	FF84FD
RGB	255, 132, 253
RGB Percent	100%, 52%, 99%
CMY	0.0001, 0.4822, 0.0079
CMYK	0.00, 0.48, 0.01, 0.00
HSL	301°, 100%, 76%
HSV	301°, 48%, 100%
XYZ	67.2081, 44.8544, 98.0284
YIQ	182.5710, 34.4670, 63.7070

Conversions

Conversions Part 2

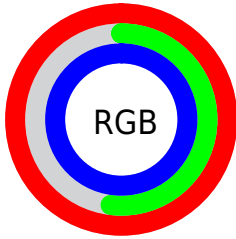
Format	Color
R_{YB}	255, 132, 253
Decimal	16745725
CIE _{Lab}	72.80, 62.71, -40.02
CIE _{LCh}	73, 74.392, 327.452
Yxy	44.8544, 0.3199, 0.2135
Android (android.graphics.Color)	4294935805 (0xFFFF84FD)
YUV	182.5710, 34.7215, 63.5202
Hunter-Lab	66.9734, 61.9219, -39.9008

Details

The Yxy color **44.8544, 0.3199, 0.2135** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **78.1269, 0.3046, 0.4801**, and the grayscale version is **46.9039, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8752, 0.3157, 0.2644**, and **20.8902, 0.3193, 0.1889** is the 20% darker color. If you saturate the color by 10%, you get **38.7375, 0.3213, 0.1942**, and if you desaturate by 10%, it is **52.6649, 0.3184, 0.2356**.

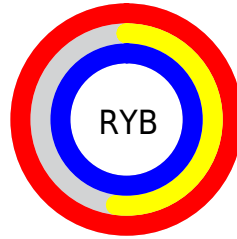
Distribution



Red (100%)

Green (52%)

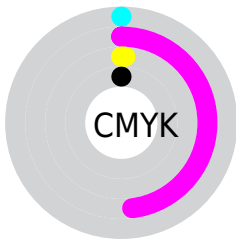
Blue (99%)



Red (100%)

Yellow (52%)

Blue (99%)

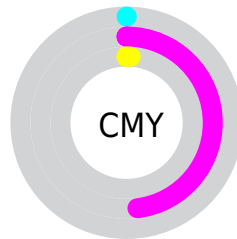


Cyan (0%)

Magenta (48%)

Yellow (1%)

Black (0%)



Cyan (0%)


Magenta (48%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8544, 0.3199, 0.2135 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 44.8544, 0.3199, 0.2135 by changing the saturation by 10% instead.

 44.8544, 0.3199,
0.2135

 44.8544, 0.3199,
0.2135


366.1836, 0.3186,
0.2651

 31.3428, 0.3197,
0.2023


 82.5019, 0.3199,
0.2309

 20.8600, 0.3192,
0.1889


 107.4065, 0.3197,
0.2379

 13.0217, 0.3181,
0.1724


 136.8776, 0.3196,
0.2439

 7.4435, 0.3161,
0.1520

171.2995, 0.3194,
0.2492

 3.7410, 0.3121,
0.1263

211.0567, 0.3192,
0.2538

 1.5297, 0.3042,
0.0938

256.5335, 0.3190,

 0.3095, 0.2917,

0.2580

0.0400

308.1143, 0.3188,
0.2617

0.0000, 0.2525,
0.0000

0.0000, 0.0000,
0.0000

44.8544, 0.3199,
0.2135

44.8544, 0.3199,
0.2135

38.7375, 0.3213,
0.1942

52.6649, 0.3184,
0.2356

34.1830, 0.3225,
0.1785

62.2756, 0.3169,
0.2596

31.0502, 0.3235,
0.1670

73.7914, 0.3154,
0.2844

29.1706, 0.3244,
0.1599

87.3075, 0.3139,
0.3091

■ 28.3124, 0.3250,
0.1568

99.9931, 0.3127,
0.3290

■ 28.2089, 0.3251,
0.1564

Harmonies

Analogous

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



44.8544, 0.2268, 0.1844



44.8544, 0.3199, 0.2135



44.8544, 0.4283, 0.2646

Triad

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



44.8544, 0.3199, 0.2135



44.8544, 0.4593, 0.4709



44.8544, 0.1524, 0.2829

Complementary

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



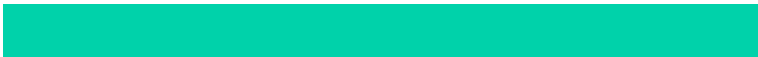
44.8544, 0.3199, 0.2135



78.1269, 0.3046, 0.4801

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.



44.8544, 0.1976, 0.3973



44.8544, 0.3199, 0.2135



44.8544, 0.3740, 0.5215

Square

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



44.8544, 0.3199, 0.2135



44.8544, 0.5113, 0.3992



44.8544, 0.2786, 0.5014



44.8544, 0.1442, 0.2113

Rectangle

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



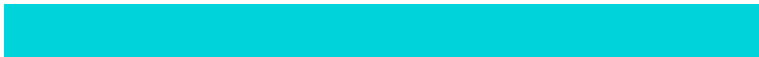
44.8544, 0.3199, 0.2135



44.8544, 0.4854, 0.3066



44.8544, 0.2786, 0.5014



44.8544, 0.1630, 0.3173

Sweetspot

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



44.8564, 0.3199, 0.2135



79.2627, 0.3147, 0.2948



28.6388, 0.2202, 0.1760



16.3588, 0.3150, 0.2895



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.



44.8564, 0.3199, 0.2135



38.8637, 0.3213, 0.1945



41.6383, 0.3781, 0.2661



18.2950, 0.3141, 0.3060



14.7469, 0.3250, 0.1564



1.4374, 0.3245, 0.1561

Inverse Universe

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



44.8564, 0.3199, 0.2135



38.8637, 0.3213, 0.1945



80.2778, 0.2767, 0.4043



18.2950, 0.3141, 0.3060



14.7469, 0.3250, 0.1564



1.4374, 0.3245, 0.1561

Previews

White Background



This preview shows how the Yxy color 44.8544, 0.3199, 0.2135 looks on a white background.

Color Contrast Check

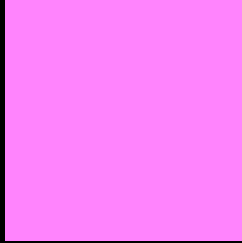
Large Text (above 18pt) WCAG AA × Fail

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 44.8544, 0.3199, 0.2135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

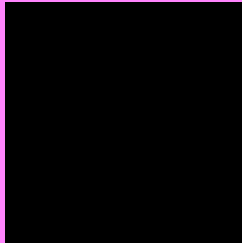
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.8544, 0.3199, 0.2135

Background



This preview shows how black text looks on a background with the Yxy color 44.8544, 0.3199, 0.2135.



This preview shows how white text looks on a background with the Yxy color 44.8544, 0.3199, 0.2135.

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

44.8544, 0.3199, 0.2135

Protanopia

45.4366, 0.2427, 0.2351

Deuteranopia

45.3060, 0.2512, 0.2458



Tritanopia

44.6959, 0.3931, 0.3172

Trichromacy



Original Color

44.8544, 0.3199, 0.2135



Protanomaly

43.5926, 0.2661, 0.2237



Deuteranomaly

43.6045, 0.2723, 0.2298



Tritanomaly

44.1928, 0.3660, 0.2751

Monochromacy



Original Color

44.8544, 0.3199, 0.2135



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

44.6603, 0.3161, 0.2770

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8544, 0.3199, 0.2135 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, 132, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 132, 253)  
}
```

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, 132, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 132, 253) }
```

Border

The CSS property to change the border of an element to Yxy 44.8544, 0.3199, 0.2135 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, 132, 253) }
```

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

```
.border{ border-color:rgb(255, 132, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 132, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 132, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 132, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 132,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8544, 0.3199, 0.2135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 132, 253) }
```

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

```
.background{ background-color: rgb(255,  
132, 253) }
```

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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