

Converting Colors

$Y_{xy}(44.8650, 0.3135, 0.2196)$

Have a look what the booklet for
Yxy(44.8650, 0.3135, 0.2196)
contains.

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Color

Yxy(45.0708, 0.3134, 0.2197)

Conversions

Conversions Part 1

Format	Color
Hex	F58CFA
RGB	245, 140, 250
RGB Percent	96%, 55%, 98%
CMY	0.0392, 0.4510, 0.0195
CMYK	0.02, 0.44, 0.00, 0.02
HSL	297°, 92%, 76%
HSV	297°, 44%, 98%
XYZ	64.2931, 45.0708, 95.7831
YIQ	183.9350, 27.2700, 56.4700

Conversions

Conversions Part 2

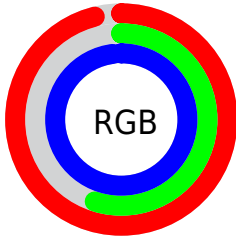
Format	Color
R _Y B	245, 140, 250
Decimal	16092410
CIE Lab	72.94, 55.56, -38.29
CIE LCh	73, 67.475, 325.424
Yxy	45.0708, 0.3134, 0.2197
Android (android.graphics.Color)	4294282490 (0xFFFF58CFA)
YUV	183.9350, 32.5700, 53.5540
Hunter-Lab	67.1348, 53.4585, -37.5964

Details

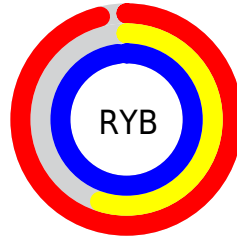
The Yxy color **45.0708, 0.3134, 0.2197** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **76.3110, 0.3090, 0.4659**, and the grayscale version is **47.7021, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9599, 0.3154, 0.2712**, and **21.0706, 0.3118, 0.1964** is the 20% darker color. If you saturate the color by 10%, you get **38.3719, 0.3131, 0.1981**, and if you desaturate by 10%, it is **53.4349, 0.3135, 0.2436**.

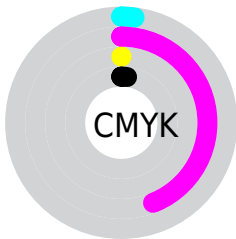
Distribution



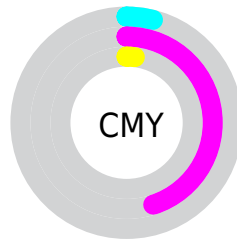
- Red (96%)
- Green (55%)
- Blue (98%)



- Red (96%)
- Yellow (55%)
- Blue (98%)



- Cyan (2%)
- Magenta (44%)
- Yellow (0%)
- Black (2%)





- Cyan (4%)
- Magenta (45%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0708, 0.3134, 0.2197 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 45.0708, 0.3134, 0.2197 by changing the saturation by 10% instead.


 45.0708, 0.3134,
0.2197

 45.0708, 0.3134,
0.2197


367.0602, 0.3150,
0.2690

 31.5132, 0.3126,
0.2089


 82.8266, 0.3143,
0.2365

 20.9899, 0.3113,
0.1958


 107.7937, 0.3146,
0.2431

 13.1167, 0.3093,
0.1798


137.3326, 0.3148,
0.2488

 7.5089, 0.3061,
0.1597

171.8279, 0.3149,
0.2539

 3.7824, 0.3005,
0.1341

211.6639, 0.3149,
0.2583

 1.5526, 0.2904,
0.1012

257.2251, 0.3150,

 0.3253, 0.2746,

0.2623

308.8957, 0.3150,
0.2658

0.0455

0.0000, 0.2253,
0.0000

0.0000, 0.0000,
0.0000

45.0708, 0.3134,
0.2197

45.0708, 0.3134,
0.2197

38.3719, 0.3131,
0.1981

53.4349, 0.3135,
0.2436

33.2183, 0.3126,
0.1797

63.5613, 0.3134,
0.2687


29.4837, 0.3119,
0.1653

75.5469, 0.3132,
0.2942

27.0194, 0.3110,
0.1553


89.4797, 0.3129,
0.3192


 25.6437, 0.3099,
0.1496

 98.8823, 0.3129,
0.3338

 25.1832, 0.3093,
0.1477

 99.0953, 0.3136,
0.3338

 99.3096, 0.3143,
0.3338

 99.5252, 0.3151,
0.3337

 99.6844, 0.3156,
0.3337

Harmonies

Analogous

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



45.0708, 0.2295, 0.1940



45.0708, 0.3134, 0.2197



45.0708, 0.4115, 0.2666

Triad

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



45.0708, 0.3134, 0.2197



45.0708, 0.4539, 0.4579



45.0708, 0.1665, 0.2945

Complementary

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



45.0708, 0.3134, 0.2197



76.3110, 0.3090, 0.4659

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.



45.0708, 0.2122, 0.3983



45.0708, 0.3134, 0.2197



45.0708, 0.3775, 0.5027

Square

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



45.0708, 0.3134, 0.2197



45.0708, 0.4965, 0.3926



45.0708, 0.2893, 0.4868



45.0708, 0.1559, 0.2249

Rectangle

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



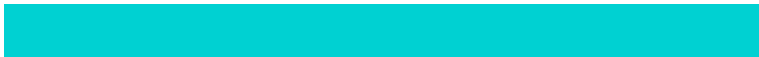
45.0708, 0.3134, 0.2197



45.0708, 0.4651, 0.3058



45.0708, 0.2893, 0.4868



45.0708, 0.1777, 0.3266

Sweetspot

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



45.0728, 0.3134, 0.2197



80.3561, 0.3132, 0.2967



32.8846, 0.2306, 0.1981



16.5604, 0.3132, 0.2911



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.



45.0728, 0.3134, 0.2197



40.7218, 0.3131, 0.2000



43.2816, 0.3643, 0.2659



17.4817, 0.3131, 0.3056



13.3714, 0.3095, 0.1478



1.2506, 0.3109, 0.1486

Inverse Universe

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



41.1327, 0.4248, 0.3240



36.1643, 0.4622, 0.3232



77.6663, 0.2819, 0.4035



17.2381, 0.3287, 0.3280



10.7994, 0.6354, 0.3274



1.0046, 0.6240, 0.3211

Previews

White Background



This preview shows how the Yxy color 45.0708, 0.3134, 0.2197 looks on a white background.

Color Contrast Check

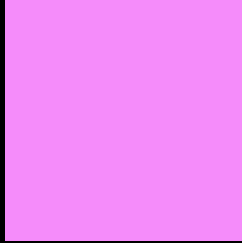
Large Text (above 18pt) WCAG AA × Fail

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 45.0708, 0.3134, 0.2197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

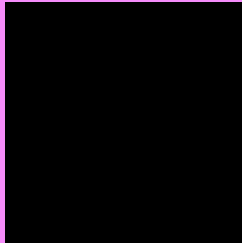
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.0708, 0.3134, 0.2197

Background



This preview shows how black text looks on a background with the Yxy color 45.0708, 0.3134, 0.2197.



This preview shows how white text looks on a background with the Yxy color 45.0708, 0.3134, 0.2197.

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

45.0708, 0.3134, 0.2197

Protanopia

45.5343, 0.2433, 0.2353

Deuteranopia

45.4924, 0.2543, 0.2483



Tritanopia

45.0182, 0.3768, 0.3156

Trichromacy



Original Color

45.0708, 0.3134, 0.2197



Protanomaly

44.2076, 0.2648, 0.2273



Deuteranomaly

44.4112, 0.2731, 0.2349



Tritanomaly

44.6075, 0.3534, 0.2767

Monochromacy



Original Color

45.0708, 0.3134, 0.2197



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

45.6811, 0.3132, 0.2814

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0708, 0.3134, 0.2197 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(245, 140, 250)` looks like.

```
.text, #text, p{  
    color:rgb(245, 140, 250)  
}
```

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(245, 140, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 140, 250) }
```

Border

The CSS property to change the border of an element to Yxy 45.0708, 0.3134, 0.2197 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(245, 140, 250) }
```

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

```
.border{ border-color:rgb(245, 140, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 140, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 140, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 140, 250);  
box-shadow:4px 4px 4px 4px rgb(245, 140,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0708, 0.3134, 0.2197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 140, 250) }
```

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

```
.background{ background-color: rgb(245,  
140, 250) }
```

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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