

Converting Colors

$Y_{xy}(70.4153, 0.4047, 0.2467)$

Have a look what the booklet for
Yxy(70.4153, 0.4047, 0.2467)
contains.

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Color

Yxy(45.6162, 0.3206, 0.2168)

Conversions

Conversions Part 1

Format	Color
Hex	FF87FC
RGB	255, 135, 252
RGB Percent	100%, 53%, 99%
CMY	0.0002, 0.4704, 0.0118
CMYK	0.00, 0.47, 0.01, 0.00
HSL	301°, 100%, 76%
HSV	301°, 47%, 100%
XYZ	67.4564, 45.6162, 97.3342
YIQ	184.2180, 33.9630, 61.8270

Conversions

Conversions Part 2

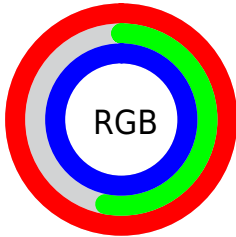
Format	Color
R _Y B	255, 135, 252
Decimal	16746492
CIE Lab	73.30, 61.10, -38.70
CIE LCh	73, 72.328, 327.648
Yxy	45.6162, 0.3206, 0.2168
Android (android.graphics.Color)	4294936572 (0xFFFF87FC)
YUV	184.2180, 33.4165, 62.0758
Hunter-Lab	67.5398, 60.0852, -38.1673

Details

The Yxy color **45.6162, 0.3206, 0.2168** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **78.4724, 0.3044, 0.4746**, and the grayscale version is **47.8627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.1793, 0.3156, 0.2673**, and **21.2679, 0.3203, 0.1924** is the 20% darker color. If you saturate the color by 10%, you get **39.2929, 0.3223, 0.1972**, and if you desaturate by 10%, it is **53.6469, 0.3189, 0.2391**.

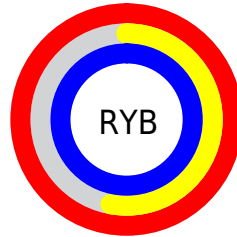
Distribution



Red (100%)

Green (53%)

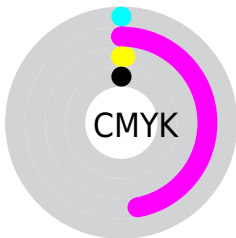
Blue (99%)



Red (100%)

Yellow (53%)

Blue (99%)

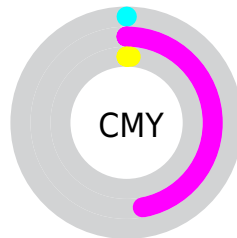


Cyan (0%)

Magenta (47%)

Yellow (1%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6162, 0.3206, 0.2168 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 45.6162, 0.3206, 0.2168 by changing the saturation by 10% instead.


 45.6162, 0.3206,
0.2168

 45.6162, 0.3206,
0.2168

369.2635, 0.3188,
0.2670

 31.9431, 0.3205,
0.2059


 83.6443, 0.3204,
0.2338

 21.3180, 0.3202,
0.1927


 108.7681, 0.3202,
0.2405

 13.3567, 0.3194,
0.1767


 138.4775, 0.3200,
0.2464

 7.6746, 0.3177,
0.1566

173.1570, 0.3197,
0.2515

 3.8874, 0.3143,
0.1313

213.1910, 0.3195,
0.2561

 1.6108, 0.3073,
0.0990

258.9638, 0.3193,

 0.3649, 0.2957,

0.2601

0.0472

310.8598, 0.3191,
0.2637

■ 0.0000, 0.2605,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.6162, 0.3206,
0.2168

■ 45.6162, 0.3206,
0.2168

■ 39.2929, 0.3223,
0.1972

■ 53.6469, 0.3189,
0.2391

■ 34.5472, 0.3238,
0.1811

■ 63.4902, 0.3171,
0.2630

■ 31.2411, 0.3251,
0.1692

■ 75.2499, 0.3154,
0.2877

■ 29.2099, 0.3262,
0.1617

■ 89.0203, 0.3138,
0.3122

■ 28.2434, 0.3270,
0.1582

99.9888, 0.3127,
0.3290

■ 28.0672, 0.3273,
0.1577

Harmonies

Analogous

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



45.6162, 0.2299, 0.1882



45.6162, 0.3206, 0.2168



45.6162, 0.4252, 0.2670

Triad

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



45.6162, 0.3206, 0.2168



45.6162, 0.4555, 0.4683



45.6162, 0.1565, 0.2843

Complementary

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



45.6162, 0.3206, 0.2168



78.4724, 0.3044, 0.4746

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.



45.6162, 0.2008, 0.3943



45.6162, 0.3206, 0.2168



45.6162, 0.3727, 0.5156

Square

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



45.6162, 0.3206, 0.2168



45.6162, 0.5056, 0.3991



45.6162, 0.2798, 0.4944



45.6162, 0.1484, 0.2146

Rectangle

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



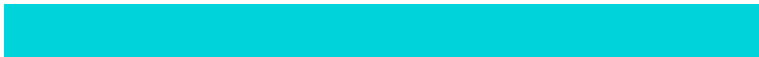
45.6162, 0.3206, 0.2168



45.6162, 0.4802, 0.3082



45.6162, 0.2798, 0.4944



45.6162, 0.1670, 0.3175

Sweetspot

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



45.6182, 0.3206, 0.2168



79.2432, 0.3149, 0.2951



29.8806, 0.2241, 0.1808



16.3540, 0.3153, 0.2898



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.



45.6182, 0.3206, 0.2168



39.8880, 0.3221, 0.1990



42.4409, 0.3780, 0.2695



18.2922, 0.3142, 0.3062



14.6770, 0.3272, 0.1576



1.4314, 0.3264, 0.1572

Inverse Universe

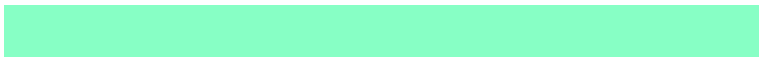
The Inverse Universe completely reimagines the original color for something new.



45.6182, 0.3206, 0.2168



39.8880, 0.3221, 0.1990



80.6683, 0.2764, 0.3995



18.2922, 0.3142, 0.3062



14.6770, 0.3272, 0.1576



1.4314, 0.3264, 0.1572

Previews

White Background



This preview shows how the Yxy color 45.6162, 0.3206, 0.2168 looks on a white background.

Color Contrast Check

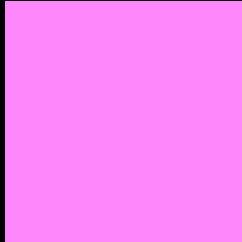
Large Text (above 18pt) WCAG AA × Fail

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 45.6162, 0.3206, 0.2168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

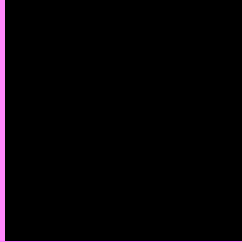
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.6162, 0.3206, 0.2168

Background



This preview shows how black text looks on a background with the Yxy color 45.6162, 0.3206, 0.2168.



This preview shows how white text looks on a background with the Yxy color 45.6162, 0.3206, 0.2168.

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

45.6162, 0.3206, 0.2168

Protanopia

46.0294, 0.2441, 0.2366

Deuteranopia

46.0538, 0.2546, 0.2487



Tritanopia

45.4290, 0.3903, 0.3172

Trichromacy



Original Color

45.6162, 0.3206, 0.2168



Protanomaly

44.0728, 0.2670, 0.2250



Deuteranomaly

44.2918, 0.2754, 0.2324



Tritanomaly

45.1675, 0.3644, 0.2772

Monochromacy



Original Color

45.6162, 0.3206, 0.2168



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

45.5775, 0.3160, 0.2784

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6162, 0.3206, 0.2168 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, 135, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 252)  
}
```

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, 135, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 252) }
```

Border

The CSS property to change the border of an element to Yxy 45.6162, 0.3206, 0.2168 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, 135, 252) }
```

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

```
.border{ border-color:rgb(255, 135, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 135, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6162, 0.3206, 0.2168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 135, 252) }
```

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

```
.background{ background-color: rgb(255,  
135, 252) }
```

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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