

Converting Colors

$Y_{xy}(45.5621, 0.3293, 0.2266)$

Have a look what the booklet for
Yxy(45.5621, 0.3293, 0.2266)
contains.

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Color

Yxy(45.5621, 0.3293, 0.2266)

Conversions

Conversions Part 1

Format	Color
Hex	FF89F2
RGB	255, 137, 242
RGB Percent	100%, 54%, 95%
CMY	0.0000, 0.4627, 0.0510
CMYK	0.00, 0.46, 0.05, 0.00
HSL	307°, 100%, 77%
HSV	307°, 46%, 100%
XYZ	66.2118, 45.5621, 89.2945
YIQ	184.2520, 36.6230, 57.6710

Conversions

Conversions Part 2

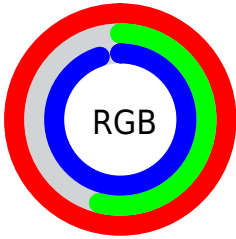
Format	Color
R _Y B	255, 137, 242
Decimal	16746994
CIE Lab	73.26, 58.49, -33.31
CIE LCh	73, 67.312, 330.341
Yxy	45.5621, 0.3293, 0.2266
Android (android.graphics.Color)	4294937074 (0xFFFF89F2)
YUV	184.2520, 28.4698, 62.0460
Hunter-Lab	67.4997, 56.9698, -31.1842

Details

The Yxy color **45.5621, 0.3293, 0.2266** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **79.0417, 0.2999, 0.4595**, and the grayscale version is **47.9041, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6199, 0.3156, 0.2683**, and **21.3155, 0.3309, 0.2036** is the 20% darker color. If you saturate the color by 10%, you get **38.9818, 0.3336, 0.2078**, and if you desaturate by 10%, it is **53.8596, 0.3251, 0.2477**.

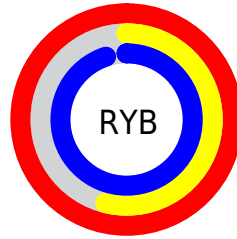
Distribution



Red (100%)

Green (54%)

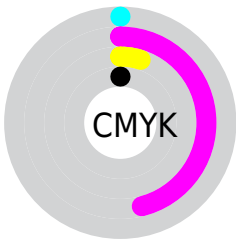
Blue (95%)



Red (100%)

Yellow (54%)

Blue (95%)

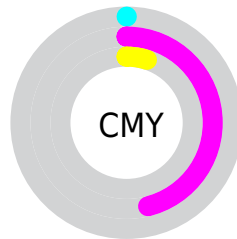


Cyan (0%)

Magenta (46%)

Yellow (5%)

Black (0%)



Cyan (0%)


Magenta (46%)


Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.5621, 0.3293, 0.2266 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 45.5621, 0.3293, 0.2266 by changing the saturation by 10% instead.


 45.5621, 0.3293,
0.2266


 45.5621, 0.3293,
0.2266


369.0453, 0.3230,
0.2730

 31.9004, 0.3304,
0.2164


 83.5633, 0.3274,
0.2424

 21.2854, 0.3316,
0.2039


 108.6715, 0.3266,
0.2487

 13.3328, 0.3327,
0.1886


 138.3641, 0.3258,
0.2541

 7.6581, 0.3337,
0.1692

173.0253, 0.3251,
0.2588

 3.8770, 0.3341,
0.1442

213.0397, 0.3245,
0.2630

 1.6050, 0.3326,
0.1116

258.7916, 0.3239,

 0.3610, 0.3304,

0.2667

0.0554

310.6653, 0.3234,
0.2700

■ 0.0000, 0.3062,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.5621, 0.3293,
0.2266

■ 45.5621, 0.3293,
0.2266

■ 38.9818, 0.3336,
0.2078

■ 53.8596, 0.3251,
0.2477

■ 33.9935, 0.3380,
0.1923

■ 63.9823, 0.3212,
0.2701

■ 30.4593, 0.3423,
0.1808

■ 76.0324, 0.3177,
0.2928

■ 28.2167, 0.3464,
0.1738

■ 90.1038, 0.3145,
0.3153

■ 27.0631, 0.3501,
0.1712

100.0000, 0.3127,
0.3290

■ 26.7987, 0.3515,
0.1710

Harmonies

Analogous

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



45.5621, 0.2416, 0.1972



45.5621, 0.3293, 0.2266



45.5621, 0.4256, 0.2761

Triad

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



45.5621, 0.3293, 0.2266



45.5621, 0.4425, 0.4670



45.5621, 0.1632, 0.2806

Complementary

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



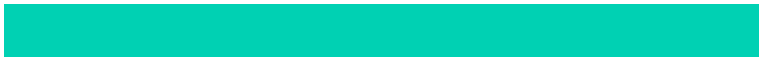
45.5621, 0.3293, 0.2266



79.0417, 0.2999, 0.4595

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.



45.5621, 0.2029, 0.3801



45.5621, 0.3293, 0.2266



45.5621, 0.3632, 0.5043

Square

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



45.5621, 0.3293, 0.2266



45.5621, 0.4919, 0.4034



45.5621, 0.2755, 0.4754



45.5621, 0.1579, 0.2180

Rectangle

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



45.5621, 0.3293, 0.2266



45.5621, 0.4740, 0.3162



45.5621, 0.2755, 0.4754



45.5621, 0.1724, 0.3106

Sweetspot

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



45.5630, 0.3293, 0.2266



79.0486, 0.3169, 0.2980



31.4845, 0.2323, 0.1858



16.3060, 0.3177, 0.2931



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.



45.5630, 0.3293, 0.2266



39.1390, 0.3335, 0.2083



42.6225, 0.3871, 0.2803



18.2638, 0.3155, 0.3081



14.0168, 0.3509, 0.1707



1.3742, 0.3470, 0.1685

Inverse Universe

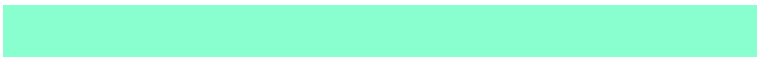
The Inverse Universe completely reimagines the original color for something new.



45.5630, 0.3293, 0.2266



39.1390, 0.3335, 0.2083



81.3833, 0.2722, 0.3856



18.2638, 0.3155, 0.3081



14.0168, 0.3509, 0.1707



1.3742, 0.3470, 0.1685

Previews

White Background



This preview shows how the Yxy color 45.5621, 0.3293, 0.2266 looks on a white background.

Color Contrast Check

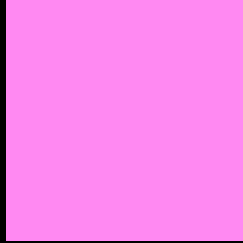
Large Text (above 18pt) WCAG AA × Fail

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 45.5621, 0.3293, 0.2266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

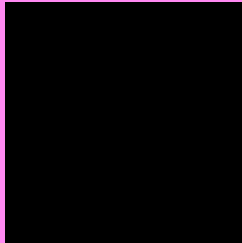
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.5621, 0.3293, 0.2266

Background



This preview shows how black text looks on a background with the Yxy color 45.5621, 0.3293, 0.2266.



This preview shows how white text looks on a background with the Yxy color 45.5621, 0.3293, 0.2266.

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

45.5621, 0.3293, 0.2266

Protanopia

46.0294, 0.2441, 0.2366

Deuteranopia

45.7673, 0.2639, 0.2577



Tritanopia

45.4572, 0.3926, 0.3162

Trichromacy



Original Color

45.5621, 0.3293, 0.2266



Protanomaly

44.1729, 0.2696, 0.2298



Deuteranomaly

44.2931, 0.2849, 0.2418



Tritanomaly

45.2146, 0.3683, 0.2804

Monochromacy



Original Color

45.5621, 0.3293, 0.2266



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

45.7468, 0.3193, 0.2841

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5621, 0.3293, 0.2266 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, 242)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 242)  
}
```

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, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 242) }
```

Border

The CSS property to change the border of an element to Yxy 45.5621, 0.3293, 0.2266 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, 242) }
```

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

```
.border{ border-color:rgb(255, 137, 242) }
```

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, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 137, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 137, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 137,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5621, 0.3293, 0.2266 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, 242) }
```

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

```
.background{ background-color: rgb(255,  
137, 242) }
```

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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