

Converting Colors

$Y_{xy}(55.0716, 0.3254, 0.2516)$

Have a look what the booklet for
Yxy(55.0716, 0.3254, 0.2516)
contains.

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Color

Yxy(55.0641, 0.3255, 0.2517)

Conversions

Conversions Part 1

Format	Color
Hex	FFA6F4
RGB	255, 166, 244
RGB Percent	100%, 65%, 96%
CMY	0.0000, 0.3490, 0.0430
CMYK	0.00, 0.35, 0.04, 0.00
HSL	307°, 100%, 83%
HSV	307°, 35%, 100%
XYZ	71.2092, 55.0641, 92.4954
YIQ	201.5030, 28.0060, 43.1260

Conversions

Conversions Part 2

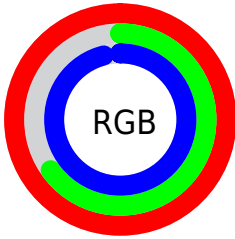
Format	Color
R _Y B	255, 166, 244
Decimal	16754420
CIE Lab	79.08, 44.30, -25.49
CIE LCh	79, 51.108, 330.085
Yxy	55.0641, 0.3255, 0.2517
Android (android.graphics.Color)	4294944500 (0xFFFFA6F4)
YUV	201.5030, 20.9510, 46.9169
Hunter-Lab	74.2052, 41.4342, -21.9603

Details

The Yxy color **55.0641, 0.3255, 0.2517** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **82.7982, 0.3022, 0.4211**, and the grayscale version is **58.5935, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7226, 0.3142, 0.2970**, and **27.0895, 0.3273, 0.2339** is the 20% darker color. If you saturate the color by 10%, you get **46.5076, 0.3300, 0.2306**, and if you desaturate by 10%, it is **65.4666, 0.3213, 0.2739**.

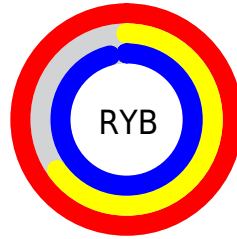
Distribution



Red (100%)

Green (65%)

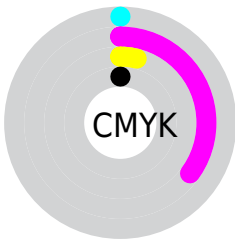
Blue (96%)



Red (100%)

Yellow (65%)

Blue (96%)

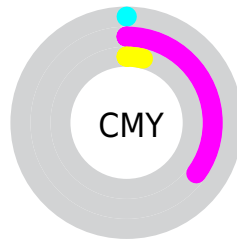


Cyan (0%)

Magenta (35%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (35%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.0641, 0.3255, 0.2517 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 55.0641, 0.3255, 0.2517 by changing the saturation by 10% instead.


 55.0641, 0.3255,
0.2517

 55.0641, 0.3255,
0.2517


406.1549, 0.3204,
0.2866

 39.4530, 0.3265,
0.2440


 97.6349, 0.3239,
0.2636

 27.1123, 0.3276,
0.2345


 125.3634, 0.3232,
0.2683

 17.6576, 0.3288,
0.2228

157.8998, 0.3226,
0.2724

 10.7045, 0.3301,
0.2079

195.6286, 0.3221,
0.2759

 5.8685, 0.3315,
0.1883

238.9341, 0.3216,
0.2791

 2.7653, 0.3324,
0.1618

288.2007, 0.3211,

 1.0104, 0.3314,

0.2819

0.1244

343.8128, 0.3207,
0.2844

■ 0.0000, 0.3483,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.0641, 0.3255,
0.2517

■ 55.0641, 0.3255,
0.2517

■ 46.5076, 0.3300,
0.2306

■ 65.4666, 0.3213,
0.2739

■ 39.6805, 0.3348,
0.2116

■ 77.8078, 0.3176,
0.2964

■ 34.4645, 0.3396,
0.1957

■ 92.1833, 0.3142,
0.3185

■ 30.7235, 0.3444,
0.1838

99.9996, 0.3127,
0.3290

■ 28.2987, 0.3490,
0.1764

■ 26.9950, 0.3533,
0.1734

■ 26.6200, 0.3554,
0.1731

Harmonies

Analogous

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



55.0641, 0.2609, 0.2289



55.0641, 0.3255, 0.2517



55.0641, 0.3931, 0.2907

Triad

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



55.0641, 0.3255, 0.2517



55.0641, 0.4121, 0.4339



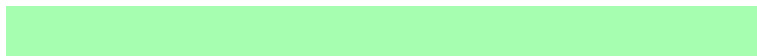
55.0641, 0.2009, 0.2978

Complementary

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



55.0641, 0.3255, 0.2517



82.7982, 0.3022, 0.4211

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.



55.0641, 0.2337, 0.3666



55.0641, 0.3255, 0.2517



55.0641, 0.3548, 0.4531

Square

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



55.0641, 0.3255, 0.2517



55.0641, 0.4446, 0.3903



55.0641, 0.2894, 0.4292



55.0641, 0.1952, 0.2490

Rectangle

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



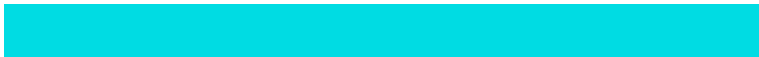
55.0641, 0.3255, 0.2517



55.0641, 0.4274, 0.3226



55.0641, 0.2894, 0.4292



55.0641, 0.2089, 0.3193

Sweetspot

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



55.0666, 0.3255, 0.2517



84.5952, 0.3159, 0.3073



43.7676, 0.2562, 0.2257



17.6795, 0.3163, 0.3042



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.



55.0666, 0.3255, 0.2517



48.8081, 0.3287, 0.2366



52.7080, 0.3639, 0.2937



18.2596, 0.3157, 0.3084



13.9250, 0.3547, 0.1728



1.3662, 0.3503, 0.1703

Inverse Universe

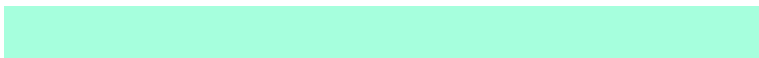
The Inverse Universe completely reimagines the original color for something new.



55.0666, 0.3255, 0.2517



48.8081, 0.3287, 0.2366



84.8398, 0.2797, 0.3678



18.2596, 0.3157, 0.3084



13.9250, 0.3547, 0.1728



1.3662, 0.3503, 0.1703

Previews

White Background



This preview shows how the Yxy color 55.0641, 0.3255, 0.2517 looks on a white background.

Color Contrast Check

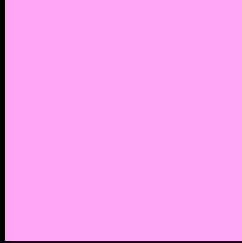
Large Text (above 18pt) WCAG AA × Fail

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 55.0641, 0.3255, 0.2517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

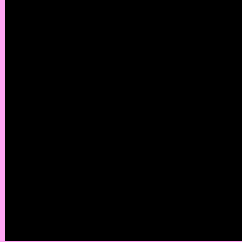
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.0641, 0.3255, 0.2517

Background



This preview shows how black text looks on a background with the Yxy color 55.0641, 0.3255, 0.2517.



This preview shows how white text looks on a background with the Yxy color 55.0641, 0.3255, 0.2517.

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

55.0641, 0.3255, 0.2517

Protanopia

55.3873, 0.2618, 0.2592

Deuteranopia

55.4006, 0.2814, 0.2750



Tritanopia

55.1184, 0.3645, 0.3152

Trichromacy



Original Color

55.0641, 0.3255, 0.2517



Protanomaly

54.5114, 0.2825, 0.2554



Deuteranomaly

54.8168, 0.2960, 0.2654



Tritanomaly

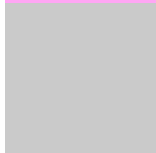
55.0495, 0.3502, 0.2905

Monochromacy



Original Color

55.0641, 0.3255, 0.2517



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

56.7771, 0.3174, 0.2977

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.0641, 0.3255, 0.2517 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, 166, 244)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 244)  
}
```

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, 166, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 244) }
```

Border

The CSS property to change the border of an element to Yxy 55.0641, 0.3255, 0.2517 is called "border". The border property can be set on classes, ids or directly on the HTML element.

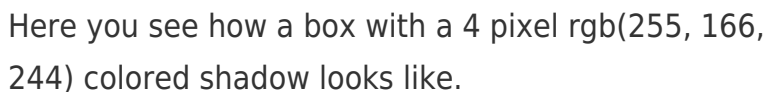
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 166, 244) }
```

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

```
.border{ border-color:rgb(255, 166, 244) }
```

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

A rectangular box with a 4px 4px 4px 4px rgba(255, 166, 244) shadow. The box is white with a thin border and a shadow that is 4 pixels wide and 4 pixels high on all sides, colored in a reddish-pink hue. The shadow is visible on the right and bottom edges of the box.

Here you see how a box with a 4 pixel `rgb(255, 166, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 244);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 55.0641, 0.3255, 0.2517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 166, 244) }
```

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

```
.background{ background-color: rgb(255,  
166, 244) }
```

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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