

Converting Colors

$Yxy(88.8809, 0.4294, 0.2799)$

Have a look what the booklet for
Yxy(88.8809, 0.4294, 0.2799)
contains.

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Color

Yxy(55.1887, 0.3287, 0.2563)

Conversions

Conversions Part 1

Format	Color
Hex	FFA7F0
RGB	255, 167, 240
RGB Percent	100%, 65%, 94%
CMY	0.0001, 0.3450, 0.0588
CMYK	0.00, 0.34, 0.06, 0.00
HSL	310°, 100%, 83%
HSV	310°, 34%, 100%
XYZ	70.7785, 55.1887, 89.3613
YIQ	201.6340, 29.0150, 41.3590

Conversions

Conversions Part 2

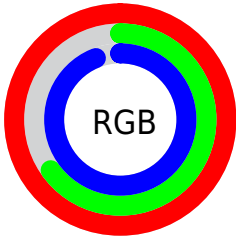
Format	Color
R _Y B	255, 167, 240
Decimal	16754672
CIE Lab	79.15, 43.07, -23.20
CIE LCh	79, 48.923, 331.691
Yxy	55.1887, 0.3287, 0.2563
Android (android.graphics.Color)	4294944752 (0xFFFFA7F0)
YUV	201.6340, 18.9144, 46.8020
Hunter-Lab	74.2891, 40.0589, -19.3168

Details

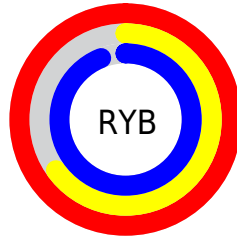
The Yxy color **55.1887, 0.3287, 0.2563** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **83.0956, 0.3001, 0.4148**, and the grayscale version is **58.6913, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2554, 0.3142, 0.2980**, and **27.1413, 0.3316, 0.2395** is the 20% darker color. If you saturate the color by 10%, you get **46.4958, 0.3346, 0.2360**, and if you desaturate by 10%, it is **65.7343, 0.3233, 0.2776**.

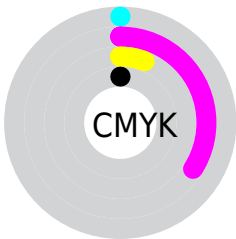
Distribution



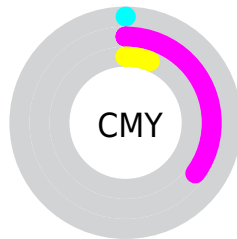
- Red (100%)
- Green (65%)
- Blue (94%)



- Red (100%)
- Yellow (65%)
- Blue (94%)



- Cyan (0%)
- Magenta (34%)
- Yellow (6%)
- Black (0%)





- Cyan (0%)
- Magenta (35%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.1887, 0.3287, 0.2563 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 55.1887, 0.3287, 0.2563 by changing the saturation by 10% instead.


 55.1887, 0.3287,
0.2563

 55.1887, 0.3287,
0.2563


406.6268, 0.3219,
0.2893

 39.5528, 0.3301,
0.2490

 97.8174, 0.3265,
0.2676

 27.1901, 0.3317,
0.2400


 125.5790, 0.3256,
0.2720

 17.7160, 0.3337,
0.2288


158.1512, 0.3248,
0.2759

 10.7463, 0.3360,
0.2145

195.9186, 0.3241,
0.2792

 5.8965, 0.3387,
0.1956

239.2655, 0.3235,
0.2822

 2.7822, 0.3417,
0.1697

288.5762, 0.3229,

 1.0191, 0.3443,

0.2848

0.1328

344.2352, 0.3224,
0.2872

0.0000, 0.3721,
0.0000

0.0000, 0.0000,
0.0000

55.1887, 0.3287,
0.2563

55.1887, 0.3287,
0.2563

46.4958, 0.3346,
0.2360

65.7343, 0.3233,
0.2776

39.5394, 0.3409,
0.2176

78.2250, 0.3186,
0.2990

34.2017, 0.3476,
0.2022

92.7560, 0.3144,
0.3199

30.3474, 0.3543,
0.1906

99.9943, 0.3127,
0.3290

■ 27.8189, 0.3608,
0.1836

■ 26.4228, 0.3670,
0.1812

■ 25.9865, 0.3703,
0.1814

Harmonies

Analogous

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



55.1887, 0.2661, 0.2333



55.1887, 0.3287, 0.2563



55.1887, 0.3928, 0.2947

Triad

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



55.1887, 0.3287, 0.2563



55.1887, 0.4059, 0.4316



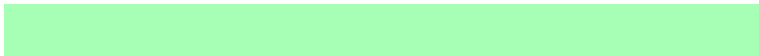
55.1887, 0.2043, 0.2964

Complementary

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



55.1887, 0.3287, 0.2563



83.0956, 0.3001, 0.4148

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.



55.1887, 0.2347, 0.3614



55.1887, 0.3287, 0.2563



55.1887, 0.3502, 0.4474

Square

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



55.1887, 0.3287, 0.2563



55.1887, 0.4383, 0.3910



55.1887, 0.2874, 0.4219



55.1887, 0.2001, 0.2507

Rectangle

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



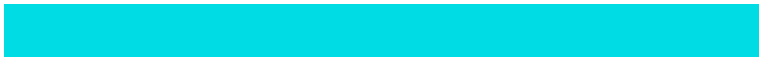
55.1887, 0.3287, 0.2563



55.1887, 0.4244, 0.3257



55.1887, 0.2874, 0.4219



55.1887, 0.2116, 0.3166

Sweetspot

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



55.1912, 0.3287, 0.2563



84.5194, 0.3166, 0.3085



44.7697, 0.2601, 0.2280



17.6611, 0.3172, 0.3055



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.



55.1912, 0.3287, 0.2563



49.3431, 0.3325, 0.2429



52.9007, 0.3672, 0.2986



18.2442, 0.3164, 0.3095



13.6017, 0.3694, 0.1809



1.3378, 0.3629, 0.1773

Inverse Universe

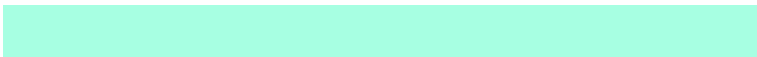
The Inverse Universe completely reimagines the original color for something new.



55.1912, 0.3287, 0.2563



49.3431, 0.3325, 0.2429



85.1907, 0.2779, 0.3621



18.2442, 0.3164, 0.3095



13.6017, 0.3694, 0.1809



1.3378, 0.3629, 0.1773

Previews

White Background



This preview shows how the Yxy color 55.1887, 0.3287, 0.2563 looks on a white background.

Color Contrast Check

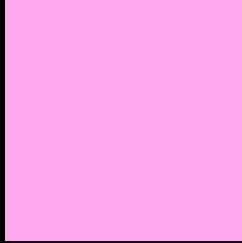
Large Text (above 18pt) WCAG AA × Fail

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 55.1887, 0.3287, 0.2563 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 55.1887, 0.3287, 0.2563

Background



This preview shows how black text looks on a background with the Yxy color 55.1887, 0.3287, 0.2563.

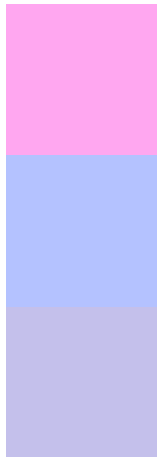


This preview shows how white text looks on a background with the Yxy color 55.1887, 0.3287, 0.2563.

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

55.1887, 0.3287, 0.2563

Protanopia

55.5069, 0.2624, 0.2593

Deuteranopia

55.4332, 0.2854, 0.2795



Tritanopia

55.3017, 0.3654, 0.3153

Trichromacy



Original Color

55.1887, 0.3287, 0.2563



Protanomaly

54.4485, 0.2831, 0.2564



Deuteranomaly

54.7331, 0.2996, 0.2696



Tritanomaly

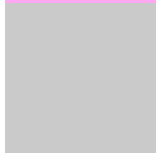
54.9504, 0.3519, 0.2925

Monochromacy



Original Color

55.1887, 0.3287, 0.2563



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

56.7252, 0.3182, 0.2988

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.1887, 0.3287, 0.2563 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, 167, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 167, 240)  
}
```

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, 167, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 167, 240) }
```

Border

The CSS property to change the border of an element to Yxy 55.1887, 0.3287, 0.2563 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, 167, 240) }
```

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

```
.border{ border-color:rgb(255, 167, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 167, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 167, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 167, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 167,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 55.1887, 0.3287, 0.2563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 167, 240) }
```

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

```
.background{ background-color: rgb(255,  
167, 240) }
```

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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