

Converting Colors

$Y_{xy}(55.0220, 0.3249, 0.2508)$

Have a look what the booklet for
Yxy(55.0220, 0.3249, 0.2508)
contains.

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Color

Yxy(55.1250, 0.3247, 0.2509)

Conversions

Conversions Part 1

Format	Color
Hex	FFA6F5
RGB	255, 166, 245
RGB Percent	100%, 65%, 96%
CMY	0.0002, 0.3489, 0.0393
CMYK	0.00, 0.35, 0.04, 0.00
HSL	307°, 100%, 83%
HSV	307°, 35%, 100%
XYZ	71.3395, 55.1250, 93.2445
YIQ	201.6170, 27.6850, 43.4370

Conversions

Conversions Part 2

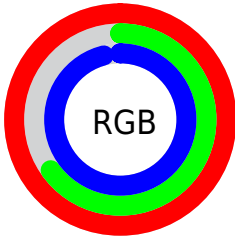
Format	Color
R _Y B	255, 166, 245
Decimal	16754421
CIE Lab	79.11, 44.42, -25.94
CIE LCh	79, 51.442, 329.721
Yxy	55.1250, 0.3247, 0.2509
Android (android.graphics.Color)	4294944501 (0xFFFFA6F5)
YUV	201.6170, 21.3878, 46.8169
Hunter-Lab	74.2462, 41.5810, -22.4889

Details

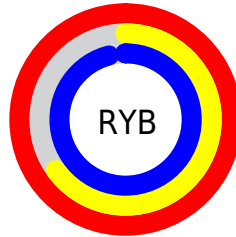
The Yxy color $55.1250, 0.3247, 0.2509$ is a light color, and the websafe version is hex $FF99FF$. A complement of this color would be $82.7326, 0.3027, 0.4222$, and the grayscale version is $58.6651, 0.3127, 0.3290$.

A 20% lighter version of the original color is $80.7226, 0.3142, 0.2970$, and $27.1328, 0.3262, 0.2329$ is the 20% darker color. If you saturate the color by 10%, you get $46.5832, 0.3289, 0.2296$, and if you desaturate by 10%, it is $65.5117, 0.3208, 0.2734$.

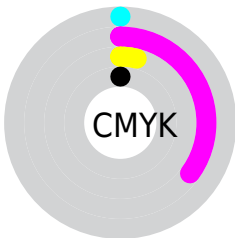
Distribution



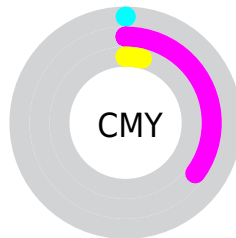
- Red (100%)
- Green (65%)
- Blue (96%)



- 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 55.1250, 0.3247, 0.2509 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 55.1250, 0.3247, 0.2509 by changing the saturation by 10% instead.


 55.1250, 0.3247,
0.2509


 55.1250, 0.3247,
0.2509


406.3856, 0.3200,
0.2861

 39.5018, 0.3256,
0.2431

 97.7241, 0.3232,
0.2629

 27.1503, 0.3266,
0.2336


 125.4688, 0.3226,
0.2677

 17.6862, 0.3276,
0.2218


158.0227, 0.3221,
0.2718

 10.7249, 0.3287,
0.2068

195.7703, 0.3216,
0.2754

 5.8822, 0.3297,
0.1871

239.0961, 0.3211,
0.2785

 2.7736, 0.3302,
0.1605

288.3842, 0.3207,

 1.0147, 0.3285,

0.2814

0.1232

344.0193, 0.3203,
0.2839

0.0000, 0.3433,
0.0000

0.0000, 0.0000,
0.0000

55.1250, 0.3247,
0.2509

55.1250, 0.3247,
0.2509

46.5832, 0.3289,
0.2296

65.5117, 0.3208,
0.2734

39.7697, 0.3333,
0.2105

77.8359, 0.3173,
0.2961

34.5664, 0.3377,
0.1944

92.1931, 0.3141,
0.3184

30.8373, 0.3421,
0.1824

99.9900, 0.3127,
0.3290

■ 28.4237, 0.3463,
0.1748

■ 27.1308, 0.3501,
0.1717

■ 26.7601, 0.3520,
0.1713

Harmonies

Analogous

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



55.1250, 0.2599, 0.2282



55.1250, 0.3247, 0.2509



55.1250, 0.3929, 0.2900

Triad

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



55.1250, 0.3247, 0.2509



55.1250, 0.4133, 0.4340



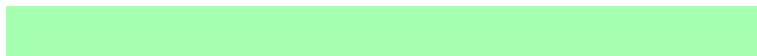
55.1250, 0.2006, 0.2983

Complementary

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



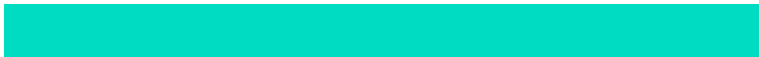
55.1250, 0.3247, 0.2509



82.7326, 0.3027, 0.4222

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.



55.1250, 0.2338, 0.3677



55.1250, 0.3247, 0.2509



55.1250, 0.3558, 0.4539

Square

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



55.1250, 0.3247, 0.2509



55.1250, 0.4455, 0.3899



55.1250, 0.2900, 0.4304



55.1250, 0.1945, 0.2490

Rectangle

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



55.1250, 0.3247, 0.2509



55.1250, 0.4276, 0.3219



55.1250, 0.2900, 0.4304



55.1250, 0.2086, 0.3201

Sweetspot

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



55.1275, 0.3247, 0.2509



84.6128, 0.3157, 0.3071



43.6089, 0.2552, 0.2256



17.6838, 0.3161, 0.3039



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.



55.1275, 0.3247, 0.2509



48.8786, 0.3277, 0.2356



52.7819, 0.3625, 0.2922



18.2632, 0.3155, 0.3082



14.0034, 0.3515, 0.1710



1.3730, 0.3475, 0.1688

Inverse Universe

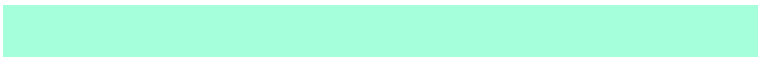
The Inverse Universe completely reimagines the original color for something new.



55.1275, 0.3247, 0.2509



48.8786, 0.3277, 0.2356



84.7323, 0.2805, 0.3695



18.2632, 0.3155, 0.3082



14.0034, 0.3515, 0.1710



1.3730, 0.3475, 0.1688

Previews

White Background



This preview shows how the Yxy color 55.1250, 0.3247, 0.2509 looks on a white background.

Color Contrast Check

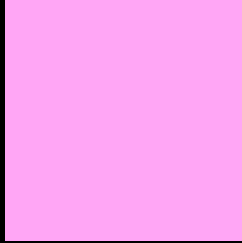
Large Text (above 18pt) WCAG AA × Fail

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 55.1250, 0.3247, 0.2509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

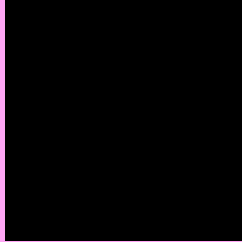
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.1250, 0.3247, 0.2509

Background



This preview shows how black text looks on a background with the Yxy color 55.1250, 0.3247, 0.2509.

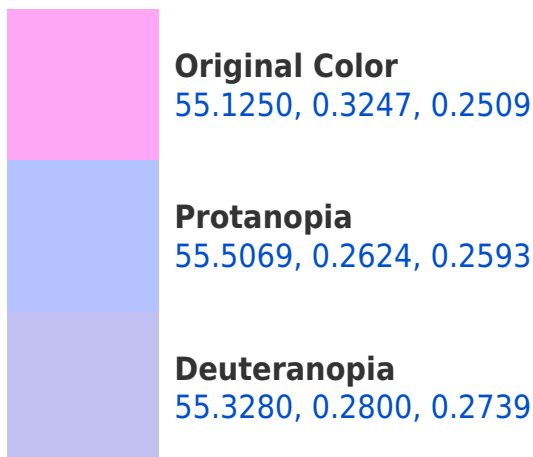


This preview shows how white text looks on a background with the Yxy color 55.1250, 0.3247, 0.2509.

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





Tritanopia

55.1184, 0.3645, 0.3152

Trichromacy



Original Color

55.1250, 0.3247, 0.2509



Protanomaly

54.5114, 0.2825, 0.2554



Deuteranomaly

54.8767, 0.2953, 0.2644



Tritanomaly

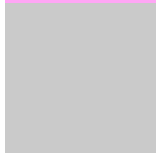
55.0495, 0.3502, 0.2905

Monochromacy



Original Color

55.1250, 0.3247, 0.2509



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

56.8293, 0.3167, 0.2966

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.1250, 0.3247, 0.2509 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, 245)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 245)  
}
```

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, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 245) }
```

Border

The CSS property to change the border of an element to Yxy 55.1250, 0.3247, 0.2509 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, 245) }
```

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

```
.border{ border-color:rgb(255, 166, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 166, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 245);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 55.1250, 0.3247, 0.2509 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, 245) }
```

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

```
.background{ background-color: rgb(255,  
166, 245) }
```

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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