

Converting Colors

$Y_{xy}(63.6535, 0.3158, 0.2616)$

Have a look what the booklet for
Yxy(63.6535, 0.3158, 0.2616)
contains.

Yxy(63.5978, 0.3159, 0.2614)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(63.5978, 0.3159, 0.2614)

Conversions

Conversions Part 1

Format	Color
Hex	FFBAFF
RGB	255, 186, 255
RGB Percent	100%, 73%, 100%
CMY	0.0000, 0.2706, 0.0000
CMYK	0.00, 0.27, 0.00, 0.00
HSL	300°, 100%, 86%
HSV	300°, 27%, 100%
XYZ	76.8575, 63.5978, 102.8416
YIQ	214.4970, 18.9750, 36.0870

Conversions

Conversions Part 2

Format	Color
R_{YB}	255, 186, 255
Decimal	16759551
CIE _{Lab}	83.76, 35.84, -24.24
CIE _{LCh}	84, 43.265, 325.930
Yxy	63.5978, 0.3159, 0.2614
Android (android.graphics.Color)	4294949631 (0xFFFFBAFF)
YUV	214.4970, 19.9680, 35.5211
Hunter-Lab	79.7482, 32.4703, -20.6353

Details

The Yxy color **63.5978, 0.3159, 0.2614** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **85.5030, 0.3090, 0.4073**, and the grayscale version is **67.4465, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5812, 0.3133, 0.3175**, and **32.4501, 0.3155, 0.2469** is the 20% darker color. If you saturate the color by 10%, you get **53.7926, 0.3170, 0.2370**, and if you desaturate by 10%, it is **75.3135, 0.3147, 0.2866**.

Distribution



- Red (100%)
- Green (73%)
- Blue (100%)



- Red (100%)
- Yellow (73%)
- Blue (100%)



- Cyan (0%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.5978, 0.3159, 0.2614 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 63.5978, 0.3159, 0.2614 by changing the saturation by 10% instead.


 63.5978, 0.3159,
0.2614

 63.5978, 0.3159,
0.2614

437.7358, 0.3151,
0.2915

 46.3250, 0.3159,
0.2548


 110.0315, 0.3158,
0.2716

 32.5024, 0.3159,
0.2468


139.9612, 0.3157,
0.2757

 21.7455, 0.3157,
0.2369


174.8786, 0.3156,
0.2792

 13.6700, 0.3152,
0.2244

215.1682, 0.3155,
0.2823

 7.8915, 0.3143,
0.2080

261.2143, 0.3154,
0.2850

 4.0256, 0.3123,
0.1859


313.4013, 0.3153,


 1.6879, 0.3078,

0.2874

0.1546


372.1137, 0.3152,
0.2896


 0.4158, 0.3020,
0.0932


 0.0000, 0.1879,
0.0000


 63.5978, 0.3159,
0.2614


 63.5978, 0.3159,
0.2614

 53.7926, 0.3170,
0.2370


 75.3135, 0.3147,
0.2866

 45.8058, 0.3181,
0.2144

 89.0438, 0.3135,
0.3117

 39.5226, 0.3190,
0.1945

100.0000, 0.3127,
0.3290

 34.8194, 0.3198,
0.1783

■ 31.5560, 0.3204,
0.1662

■ 29.5673, 0.3207,
0.1585

■ 28.6426, 0.3209,
0.1548

■ 28.4800, 0.3209,
0.1542

Harmonies

Analogous

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



63.5978, 0.2645, 0.2446



63.5978, 0.3159, 0.2614



63.5978, 0.3709, 0.2929

Triad

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



63.5978, 0.3159, 0.2614



63.5978, 0.3998, 0.4118



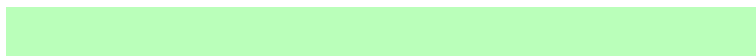
63.5978, 0.2232, 0.3121

Complementary

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



63.5978, 0.3159, 0.2614



85.5030, 0.3090, 0.4073

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.



63.5978, 0.2541, 0.3672



63.5978, 0.3159, 0.2614



63.5978, 0.3557, 0.4283

Square

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



63.5978, 0.3159, 0.2614



63.5978, 0.4211, 0.3759



63.5978, 0.3022, 0.4128



63.5978, 0.2147, 0.2688

Rectangle

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



63.5978, 0.3159, 0.2614



63.5978, 0.4003, 0.3192



63.5978, 0.3022, 0.4128



63.5978, 0.2311, 0.3300

Sweetspot

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



63.5945, 0.3159, 0.2614



87.6679, 0.3136, 0.3093



52.7726, 0.2654, 0.2507



18.3004, 0.3138, 0.3056



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.



63.5945, 0.3159, 0.2614



58.5208, 0.3165, 0.2492



61.5681, 0.3426, 0.2939



18.3004, 0.3138, 0.3056



14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542

Inverse Universe

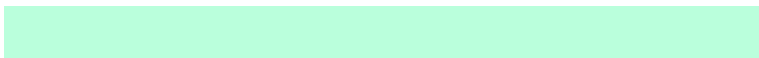
The Inverse Universe completely reimagines the original color for something new.



63.5945, 0.3159, 0.2614



58.5208, 0.3165, 0.2492



87.1518, 0.2906, 0.3671



18.3004, 0.3138, 0.3056



14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 63.5978, 0.3159, 0.2614 looks on a white background.

Color Contrast Check

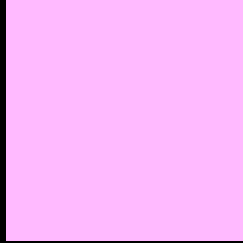
Large Text (above 18pt) WCAG AA × Fail

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 63.5978, 0.3159, 0.2614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

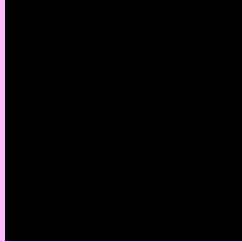
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.5978, 0.3159, 0.2614

Background



This preview shows how black text looks on a background with the Yxy color 63.5978, 0.3159, 0.2614.



This preview shows how white text looks on a background with the Yxy color 63.5978, 0.3159, 0.2614.

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

63.5978, 0.3159, 0.2614

Protanopia

63.7160, 0.2748, 0.2762

Deuteranopia

63.6239, 0.2837, 0.2769



Tritanopia

63.8231, 0.3448, 0.3134

Trichromacy



Original Color

63.5978, 0.3159, 0.2614



Protanomaly

62.9723, 0.2885, 0.2696



Deuteranomaly

63.0319, 0.2947, 0.2702



Tritanomaly

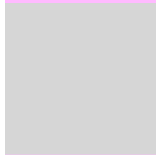
63.6995, 0.3342, 0.2942

Monochromacy



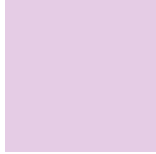
Original Color

63.5978, 0.3159, 0.2614



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

65.5009, 0.3140, 0.3022

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.5978, 0.3159, 0.2614 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, 186, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 255)  
}
```

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, 186, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.5978, 0.3159, 0.2614 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, 186, 255) }
```

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

```
.border{ border-color:rgb(255, 186, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 186, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 186, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 186, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 186,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.5978, 0.3159, 0.2614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 186, 255) }
```

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

```
.background{ background-color: rgb(255,  
186, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor