

Converting Colors

$Y_{xy}(83.2890, 0.3573, 0.2621)$

Have a look what the booklet for
Yxy(83.2890, 0.3573, 0.2621)
contains.

Yxy(65.3069, 0.3157, 0.2653)	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(65.3069, 0.3157, 0.2653)

Conversions

Conversions Part 1

Format	Color
Hex	FFBEFF
RGB	255, 190, 255
RGB Percent	100%, 75%, 100%
CMY	0.0000, 0.2549, 0.0000
CMYK	0.00, 0.25, 0.00, 0.00
HSL	300°, 100%, 87%
HSV	300°, 25%, 100%
XYZ	77.7135, 65.3069, 103.1421
YIQ	216.8450, 17.8750, 33.9950

Conversions

Conversions Part 2

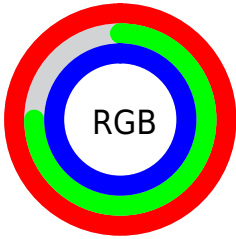
Format	Color
R _Y B	255, 190, 255
Decimal	16760575
CIE Lab	84.64, 33.74, -22.90
CIE LCh	85, 40.781, 325.836
Yxy	65.3069, 0.3157, 0.2653
Android (android.graphics.Color)	4294950655 (0xFFFFBEFF)
YUV	216.8450, 18.8104, 33.4619
Hunter-Lab	80.8127, 30.2323, -19.1036

Details

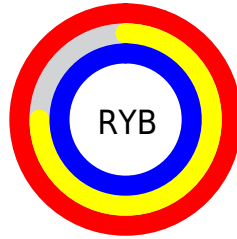
The Yxy color **65.3069, 0.3157, 0.2653** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **86.1833, 0.3093, 0.4021**, and the grayscale version is **69.1315, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0015, 0.3131, 0.3214**, and **33.6913, 0.3163, 0.2520** is the 20% darker color. If you saturate the color by 10%, you get **55.2071, 0.3169, 0.2408**, and if you desaturate by 10%, it is **77.3315, 0.3145, 0.2905**.

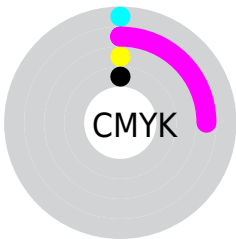
Distribution



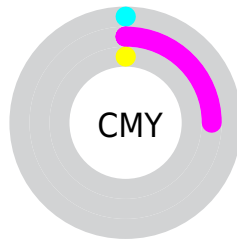
- Red (100%)
- Green (75%)
- Blue (100%)



- Red (100%)
- Yellow (75%)
- Blue (100%)



- Cyan (0%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.3069, 0.3157, 0.2653 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 65.3069, 0.3157, 0.2653 by changing the saturation by 10% instead.

 65.3069, 0.3157,
0.2653

 65.3069, 0.3157,
0.2653

443.8940, 0.3150,
0.2937

 47.7100, 0.3157,
0.2591


 112.4910, 0.3156,
0.2749

 33.5973, 0.3157,
0.2515


142.8469, 0.3155,
0.2787

 22.5844, 0.3156,
0.2422

178.2246, 0.3154,
0.2820

 14.2869, 0.3152,
0.2304

219.0086, 0.3153,
0.2849

 8.3205, 0.3144,
0.2149

265.5831, 0.3152,
0.2875

 4.3007, 0.3127,
0.1940

318.3325, 0.3151,

 1.8432, 0.3089,

0.2898

0.1643

377.6414, 0.3150,
0.2918

0.5139, 0.3027,
0.1107

0.0000, 0.2139,
0.0000

65.3069, 0.3157,
0.2653

65.3069, 0.3157,
0.2653

55.2071, 0.3169,
0.2408

77.3315, 0.3145,
0.2905

46.9427, 0.3179,
0.2178

91.3854, 0.3133,
0.3156

40.4002, 0.3189,
0.1974

100.0000, 0.3127,
0.3290

35.4580, 0.3197,
0.1806

■ 31.9789, 0.3203,
0.1678

■ 29.8026, 0.3207,
0.1594

■ 28.7308, 0.3209,
0.1552

■ 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.



65.3069, 0.2675, 0.2495



65.3069, 0.3157, 0.2653



65.3069, 0.3670, 0.2951

Triad

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



65.3069, 0.3157, 0.2653



65.3069, 0.3945, 0.4067



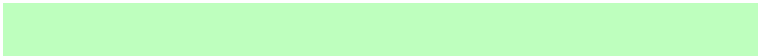
65.3069, 0.2287, 0.3137

Complementary

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



65.3069, 0.3157, 0.2653



86.1833, 0.3093, 0.4021

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.



65.3069, 0.2580, 0.3648



65.3069, 0.3157, 0.2653



65.3069, 0.3534, 0.4216

Square

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



65.3069, 0.3157, 0.2653



65.3069, 0.4141, 0.3734



65.3069, 0.3033, 0.4069



65.3069, 0.2205, 0.2730

Rectangle

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



65.3069, 0.3157, 0.2653



65.3069, 0.3944, 0.3200



65.3069, 0.3033, 0.4069



65.3069, 0.2363, 0.3303

Sweetspot

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



65.3031, 0.3157, 0.2653



87.6679, 0.3136, 0.3093



54.9892, 0.2685, 0.2559



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.



65.3031, 0.3157, 0.2653



59.5111, 0.3163, 0.2517



63.3837, 0.3405, 0.2960



18.3004, 0.3138, 0.3056



14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542

Inverse Universe

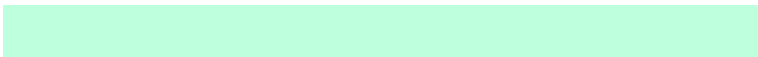
The Inverse Universe completely reimagines the original color for something new.



65.3031, 0.3157, 0.2653



59.5111, 0.3163, 0.2517



87.7666, 0.2918, 0.3646



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 65.3069, 0.3157, 0.2653 looks on a white background.

Color Contrast Check

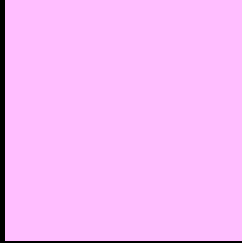
Large Text (above 18pt) WCAG AA × Fail

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 65.3069, 0.3157, 0.2653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

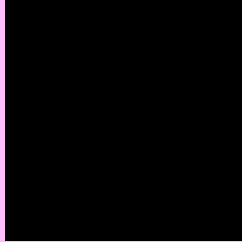
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.3069, 0.3157, 0.2653

Background



This preview shows how black text looks on a background with the Yxy color 65.3069, 0.3157, 0.2653.



This preview shows how white text looks on a background with the Yxy color 65.3069, 0.3157, 0.2653.

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

65.3069, 0.3157, 0.2653

Protanopia

65.7307, 0.2776, 0.2800

Deuteranopia

65.6510, 0.2866, 0.2807



Tritanopia

65.3320, 0.3420, 0.3135

Trichromacy



Original Color

65.3069, 0.3157, 0.2653



Protanomaly

65.3040, 0.2907, 0.2743



Deuteranomaly

65.3591, 0.2969, 0.2749



Tritanomaly

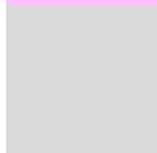
65.1409, 0.3324, 0.2954

Monochromacy



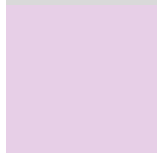
Original Color

65.3069, 0.3157, 0.2653



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

67.3841, 0.3139, 0.3035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.3069, 0.3157, 0.2653 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, 190, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 190, 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, 190, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 190, 255) }
```

Border

The CSS property to change the border of an element to Yxy 65.3069, 0.3157, 0.2653 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, 190, 255) }
```

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

```
.border{ border-color:rgb(255, 190, 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, 190, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 190, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 190, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 190,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 65.3069, 0.3157, 0.2653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 190, 255) }
```

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

```
.background{ background-color: rgb(255,  
190, 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