

Converting Colors

$Y_{xy}(69.4303, 0.3320, 0.2720)$

Have a look what the booklet for
Yxy(69.4303, 0.3320, 0.2720)
contains.

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Color

Yxy(65.5499, 0.3178, 0.2690)

Conversions

Conversions Part 1

Format	Color
Hex	FFBFFC
RGB	255, 191, 252
RGB Percent	100%, 75%, 99%
CMY	0.0000, 0.2510, 0.0117
CMYK	0.00, 0.25, 0.01, 0.00
HSL	303°, 100%, 87%
HSV	303°, 25%, 100%
XYZ	77.4415, 65.5499, 100.6885
YIQ	217.0900, 18.5630, 32.5390

Conversions

Conversions Part 2

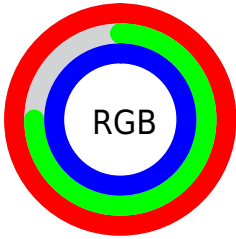
Format	Color
RYB	255, 191, 252
Decimal	16760828
CIELab	84.77, 32.66, -21.12
CIElCh	85, 38.892, 327.116
Yxy	65.5499, 0.3178, 0.2690
Android (android.graphics.Color)	4294950908 (0xFFFFBFFC)
YUV	217.0900, 17.2106, 33.2471
Hunter-Lab	80.9629, 29.0512, -17.0613

Details

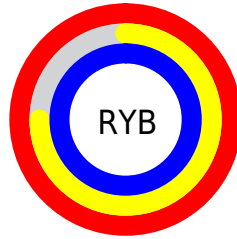
The Yxy color $65.5499, 0.3178, 0.2690$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $86.4840, 0.3077, 0.3974$, and the grayscale version is $69.3253, 0.3127, 0.3290$.

A 20% lighter version of the original color is $95.6148, 0.3130, 0.3223$, and $33.8372, 0.3192, 0.2566$ is the 20% darker color. If you saturate the color by 10%, you get $55.3074, 0.3201, 0.2453$, and if you desaturate by 10%, it is $77.7346, 0.3157, 0.2932$.

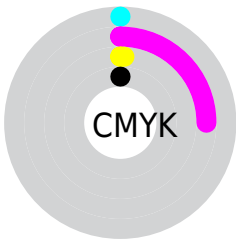
Distribution



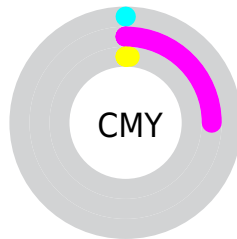
- Red (100%)
- Green (75%)
- Blue (99%)



- Red (100%)
- Yellow (75%)
- Blue (99%)



- Cyan (0%)
- Magenta (25%)
- Yellow (1%)
- Black (0%)




- Cyan (0%)
- Magenta (25%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.5499, 0.3178, 0.2690 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 65.5499, 0.3178, 0.2690 by changing the saturation by 10% instead.


 65.5499, 0.3178,
0.2690

 65.5499, 0.3178,
0.2690


444.7654, 0.3160,
0.2958

 47.9071, 0.3181,
0.2631


 112.8401, 0.3173,
0.2781

 33.7533, 0.3184,
0.2560


143.2563, 0.3170,
0.2817

 22.7042, 0.3186,
0.2471


178.6990, 0.3168,
0.2848

 14.3752, 0.3188,
0.2358

219.5528, 0.3166,
0.2876

 8.3821, 0.3188,
0.2210

266.2019, 0.3165,
0.2900

 4.3404, 0.3183,
0.2008

319.0308, 0.3163,


 1.8657, 0.3164,


0.2921

0.1720

378.4238, 0.3161,
0.2941

 0.5277, 0.3134,
0.1193


 0.0000, 0.2258,
0.0000

 65.5499, 0.3178,
0.2690


 65.5499, 0.3178,
0.2690

 55.3074, 0.3201,
0.2453


 77.7346, 0.3157,
0.2932

 46.8982, 0.3224,
0.2229

 91.9459, 0.3137,
0.3171

 40.2157, 0.3247,
0.2030

99.9979, 0.3127,
0.3290

 35.1390, 0.3269,
0.1864

■ 31.5317, 0.3290,
0.1738

■ 29.2344, 0.3308,
0.1656

■ 28.0511, 0.3324,
0.1617

■ 27.7404, 0.3331,
0.1609

Harmonies

Analogous

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



65.5499, 0.2713, 0.2532



65.5499, 0.3178, 0.2690



65.5499, 0.3663, 0.2981

Triad

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



65.5499, 0.3178, 0.2690



65.5499, 0.3896, 0.4044



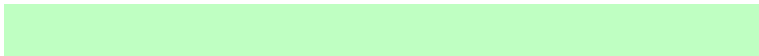
65.5499, 0.2316, 0.3127

Complementary

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



65.5499, 0.3178, 0.2690



86.4840, 0.3077, 0.3974

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.



65.5499, 0.2591, 0.3610



65.5499, 0.3178, 0.2690



65.5499, 0.3498, 0.4170

Square

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



65.5499, 0.3178, 0.2690



65.5499, 0.4091, 0.3733



65.5499, 0.3019, 0.4016



65.5499, 0.2246, 0.2744

Rectangle

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



65.5499, 0.3178, 0.2690



65.5499, 0.3918, 0.3222



65.5499, 0.3019, 0.4016



65.5499, 0.2386, 0.3284

Sweetspot

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



65.5528, 0.3178, 0.2690



87.6072, 0.3142, 0.3102



55.8400, 0.2708, 0.2575



18.2850, 0.3145, 0.3067



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.



65.5528, 0.3178, 0.2690



60.2942, 0.3189, 0.2572



63.7360, 0.3416, 0.2987



18.2850, 0.3145, 0.3067



14.5027, 0.3329, 0.1607



1.4164, 0.3314, 0.1599

Inverse Universe

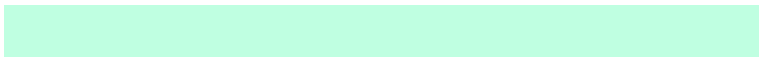
The Inverse Universe completely reimagines the original color for something new.



65.5528, 0.3178, 0.2690



60.2942, 0.3189, 0.2572



88.0337, 0.2910, 0.3616



18.2850, 0.3145, 0.3067



14.5027, 0.3329, 0.1607



1.4164, 0.3314, 0.1599

Previews

White Background



This preview shows how the Yxy color 65.5499, 0.3178, 0.2690 looks on a white background.

Color Contrast Check

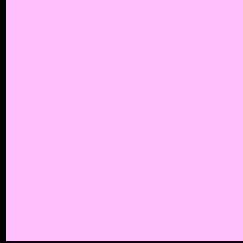
Large Text (above 18pt) WCAG AA × Fail

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 65.5499, 0.3178, 0.2690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

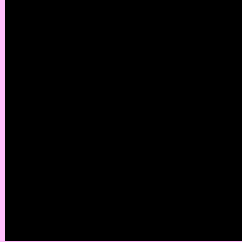
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.5499, 0.3178, 0.2690

Background



This preview shows how black text looks on a background with the Yxy color 65.5499, 0.3178, 0.2690.



This preview shows how white text looks on a background with the Yxy color 65.5499, 0.3178, 0.2690.

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

65.5499, 0.3178, 0.2690

Protanopia

65.7307, 0.2776, 0.2800

Deuteranopia

65.9123, 0.2905, 0.2839



Tritanopia

65.5163, 0.3428, 0.3135

Trichromacy



Original Color

65.5499, 0.3178, 0.2690



Protanomaly

65.2398, 0.2914, 0.2752



Deuteranomaly

65.4984, 0.3004, 0.2780



Tritanomaly

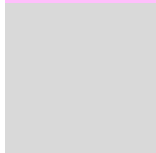
65.2717, 0.3339, 0.2964

Monochromacy



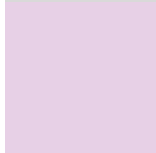
Original Color

65.5499, 0.3178, 0.2690



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

67.8138, 0.3146, 0.3056

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.5499, 0.3178, 0.2690 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, 191, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 191, 252)  
}
```

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, 191, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 191, 252) }
```

Border

The CSS property to change the border of an element to Yxy 65.5499, 0.3178, 0.2690 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, 191, 252) }
```

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

```
.border{ border-color:rgb(255, 191, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 191, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 191, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 191, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 191,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 65.5499, 0.3178, 0.2690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 191, 252) }
```

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

```
.background{ background-color: rgb(255,  
191, 252) }
```

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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