

Converting Colors

$Y_{xy}(90.6393, 0.2970, 0.2894)$

Have a look what the booklet for
Yxy(90.6393, 0.2970, 0.2894)
contains.

Yxy(89.0645, 0.3115, 0.3126)	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(89.0645, 0.3115, 0.3126)

Conversions

Conversions Part 1

Format	Color
Hex	FCEEFF
RGB	252, 238, 255
RGB Percent	99%, 93%, 100%
CMY	0.0120, 0.0666, 0.0001
CMYK	0.01, 0.07, 0.00, 0.00
HSL	289°, 100%, 97%
HSV	289°, 7%, 100%
XYZ	88.7511, 89.0645, 107.0996
YIQ	244.1240, 2.8870, 8.2550

Conversions

Conversions Part 2

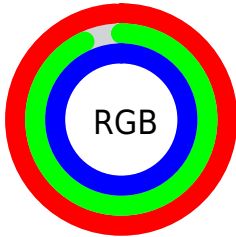
Format	Color
R_{YB}	252, 238, 255
Decimal	16576255
CIE Lab	95.61, 7.64, -6.48
CIE LCh	96, 10.016, 319.718
Yxy	89.0645, 0.3115, 0.3126
Android (android.graphics.Color)	4294766335 (0xFFFCDEFF)
YUV	244.1240, 5.3619, 6.9073
Hunter-Lab	94.3740, 2.7103, -1.2230

Details

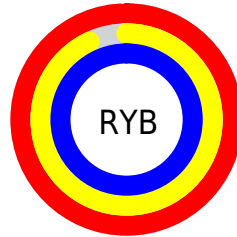
The Yxy color 89.0645, 0.3115, 0.3126 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 96.3901, 0.3138, 0.3458, and the grayscale version is 90.5223, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 49.1352, 0.3111, 0.3093 is the 20% darker color. If you saturate the color by 10%, you get 74.4150, 0.3093, 0.2869, and if you desaturate by 10%, it is 99.9985, 0.3127, 0.3290.

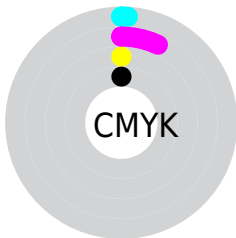
Distribution



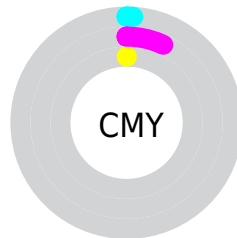
- Red (99%)
- Green (93%)
- Blue (100%)



- Red (99%)
- Yellow (93%)
- Blue (100%)



- Cyan (1%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)




- Cyan (1%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.0645, 0.3115, 0.3126 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 89.0645, 0.3115, 0.3126 by changing the saturation by 10% instead.


 89.0645, 0.3115,
0.3126

 89.0645, 0.3115,
0.3126


524.9830, 0.3121,
0.3198

 67.2050, 0.3114,
0.3110


146.0383, 0.3117,
0.3150

 49.2512, 0.3112,
0.3091


181.9213, 0.3118,
0.3160

 34.8188, 0.3110,
0.3068


223.2477, 0.3119,
0.3169

 23.5233, 0.3107,
0.3038

270.4018, 0.3119,
0.3176

 14.9804, 0.3103,
0.2998

323.7679, 0.3120,
0.3183

 8.8056, 0.3097,
0.2945

383.7306, 0.3120,

 4.6146, 0.3088,

0.3188

0.2867

450.6742, 0.3120,
0.3194

■ 2.0230, 0.3072,
0.2744

■ 0.6208, 0.3063,
0.2448

■ 89.0645, 0.3115,
0.3126

■ 89.0645, 0.3115,
0.3126

■ 74.4150, 0.3093,
0.2869

99.9985, 0.3127,
0.3290

■ 61.7967, 0.3066,
0.2605

■ 51.1192, 0.3034,
0.2342

■ 42.2807, 0.2997,
0.2088

■ 35.1702, 0.2955,
0.1855

■ 29.6645, 0.2910,
0.1653

■ 25.6240, 0.2863,
0.1492

■ 22.8848, 0.2815,
0.1377

■ 21.2412, 0.2767,
0.1307

Harmonies

Analogous

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



89.0645, 0.3007, 0.3098



89.0645, 0.3115, 0.3126



89.0645, 0.3228, 0.3195

Triad

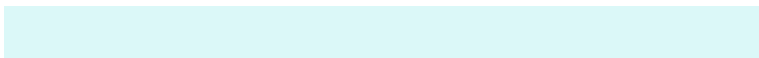
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.0645, 0.3115, 0.3126



89.0645, 0.3324, 0.3459



89.0645, 0.2944, 0.3286

Complementary

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



89.0645, 0.3115, 0.3126



96.3901, 0.3138, 0.3458

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.



89.0645, 0.3026, 0.3388



89.0645, 0.3115, 0.3126



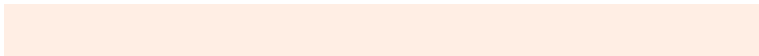
89.0645, 0.3246, 0.3488

Square

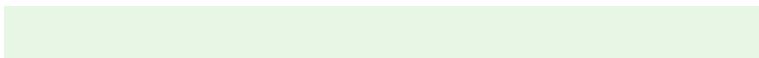
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



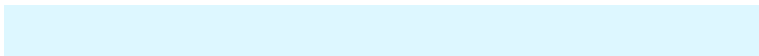
89.0645, 0.3115, 0.3126



89.0645, 0.3350, 0.3386



89.0645, 0.3136, 0.3462



89.0645, 0.2910, 0.3188

Rectangle

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



89.0645, 0.3115, 0.3126



89.0645, 0.3290, 0.3257



89.0645, 0.3136, 0.3462



89.0645, 0.2966, 0.3321

Sweetspot

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



89.0683, 0.3115, 0.3126



96.6166, 0.3124, 0.3241



88.3901, 0.3025, 0.3153



20.7154, 0.3124, 0.3244



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.



89.0683, 0.3115, 0.3126



86.9827, 0.3112, 0.3092



89.2976, 0.3168, 0.3178



18.1265, 0.3109, 0.3054



10.9466, 0.2759, 0.1294



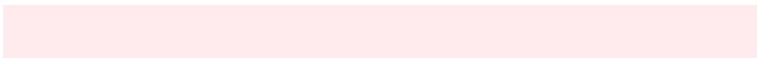
1.1068, 0.2813, 0.1324

Inverse Universe

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



88.7743, 0.3221, 0.3261



86.6354, 0.3242, 0.3255



96.1813, 0.3089, 0.3405



18.0401, 0.3266, 0.3248



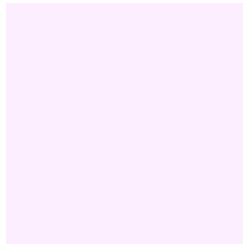
11.2254, 0.6133, 0.3152



1.1067, 0.5846, 0.2994

Previews

White Background



This preview shows how the Yxy color 89.0645, 0.3115, 0.3126 looks on a white background.

Color Contrast Check

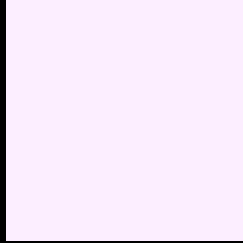
Large Text (above 18pt) WCAG AA × Fail

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 89.0645, 0.3115, 0.3126 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

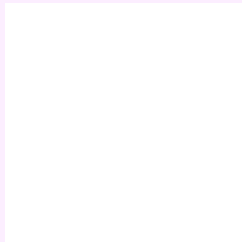
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.0645, 0.3115, 0.3126

Background



This preview shows how black text looks on a background with the Yxy color 89.0645, 0.3115, 0.3126.

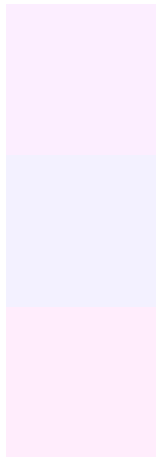


This preview shows how white text looks on a background with the Yxy color 89.0645, 0.3115, 0.3126.

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

89.0645, 0.3115, 0.3126

Protanopia

89.1853, 0.3056, 0.3152

Deuteranopia

88.8566, 0.3154, 0.3145



Tritanopia

88.8783, 0.3109, 0.3125

Trichromacy



Original Color

89.0645, 0.3115, 0.3126

Protanomaly

89.1330, 0.3076, 0.3143

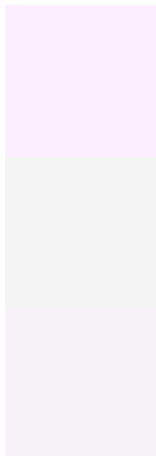
Deuteranomaly

88.7311, 0.3141, 0.3136

Tritanomaly

88.8783, 0.3109, 0.3125

Monochromacy



Original Color

89.0645, 0.3115, 0.3126

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

90.0557, 0.3123, 0.3231

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.0645, 0.3115, 0.3126 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(252, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(252, 238, 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(252, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 238, 255) }
```

Border

The CSS property to change the border of an element to Yxy 89.0645, 0.3115, 0.3126 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(252, 238, 255) }
```

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

```
.border{ border-color:rgb(252, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(252, 238,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 89.0645, 0.3115, 0.3126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 238, 255) }
```

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

```
.background{ background-color: rgb(252,  
238, 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