

Converting Colors

$Y_{xy}(89.6859, 0.3165, 0.3212)$

Have a look what the booklet for
Yxy(89.6859, 0.3165, 0.3212)
contains.

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Color

Yxy(89.9801, 0.3164, 0.3212)

Conversions

Conversions Part 1

Format	Color
Hex	FDF0F8
RGB	253, 240, 248
RGB Percent	99%, 94%, 97%
CMY	0.0075, 0.0589, 0.0274
CMYK	0.00, 0.05, 0.02, 0.01
HSL	323°, 77%, 97%
HSV	323°, 5%, 99%
XYZ	88.6354, 89.9801, 101.5218
YIQ	244.7990, 5.1800, 5.2440

Conversions

Conversions Part 2

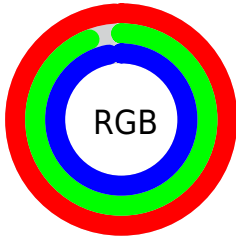
Format	Color
R _Y B	253, 240, 248
Decimal	16642296
CIE Lab	95.99, 5.79, -2.30
CIE LCh	96, 6.227, 338.288
Yxy	89.9801, 0.3164, 0.3212
Android (android.graphics.Color)	4294832376 (0xFFFFDF0F8)
YUV	244.7990, 1.5781, 7.1923
Hunter-Lab	94.8578, 0.7897, 2.9453

Details

The Yxy color 89.9801, 0.3164, 0.3212 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 95.4173, 0.3092, 0.3369, and the grayscale version is 91.1357, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 49.8225, 0.3165, 0.3191 is the 20% darker color. If you saturate the color by 10%, you get 75.5191, 0.3246, 0.3055, and if you desaturate by 10%, it is 99.6377, 0.3115, 0.3290.

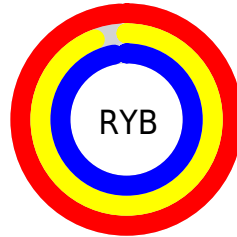
Distribution



Red (99%)

Green (94%)

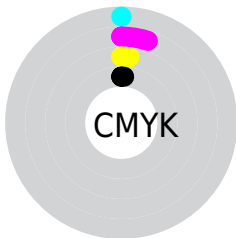
Blue (97%)



Red (99%)

Yellow (94%)

Blue (97%)

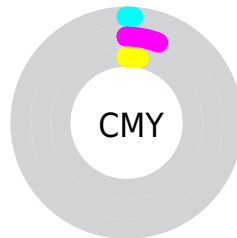


Cyan (0%)

Magenta (5%)

Yellow (2%)

Black (1%)



Cyan (1%)


Magenta (6%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.9801, 0.3164, 0.3212 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 89.9801, 0.3164, 0.3212 by changing the saturation by 10% instead.


 89.9801, 0.3164,
0.3212

 89.9801, 0.3164,
0.3212


527.9661, 0.3148,
0.3247

 67.9641, 0.3168,
0.3204


147.3108, 0.3158,
0.3224

 49.8686, 0.3172,
0.3195


183.3942, 0.3156,
0.3228

 35.3090, 0.3177,
0.3184


224.9357, 0.3154,
0.3232

 23.9010, 0.3184,
0.3169

272.3195, 0.3153,
0.3236

 15.2602, 0.3193,
0.3150

325.9300, 0.3151,
0.3239

 9.0022, 0.3205,
0.3124

386.1517, 0.3150,

 4.7426, 0.3223,

0.3242

0.3086

453.3689, 0.3149,
0.3244

■ 2.0970, 0.3252,
0.3025

■ 0.6630, 0.3329,
0.2861

■ 89.9801, 0.3164,
0.3212

■ 89.9801, 0.3164,
0.3212

■ 75.5191, 0.3246,
0.3055

99.6377, 0.3115,
0.3290

■ 63.0778, 0.3343,
0.2893

■ 52.5682, 0.3456,
0.2729

■ 43.8911, 0.3588,
0.2572

■ 36.9386, 0.3737,
0.2429

■ 31.5913, 0.3901,
0.2314

■ 27.7146, 0.4076,
0.2237

■ 25.1514, 0.4255,
0.2208

■ 23.7083, 0.4430,
0.2233

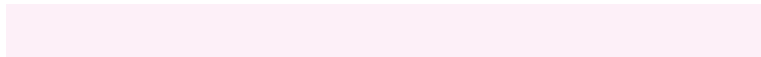
Harmonies

Analogous

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



89.9801, 0.3093, 0.3178



89.9801, 0.3164, 0.3212



89.9801, 0.3225, 0.3267

Triad

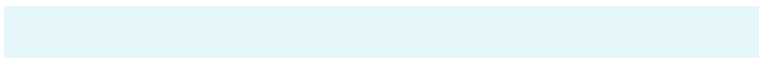
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.9801, 0.3164, 0.3212



89.9801, 0.3223, 0.3409



89.9801, 0.2996, 0.3250

Complementary

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



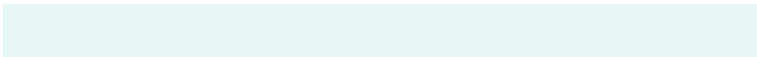
89.9801, 0.3164, 0.3212



95.4173, 0.3092, 0.3369

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.



89.9801, 0.3030, 0.3313



89.9801, 0.3164, 0.3212



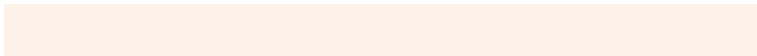
89.9801, 0.3160, 0.3406

Square

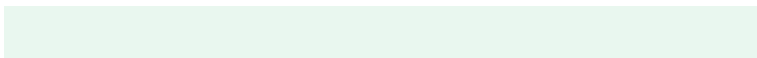
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



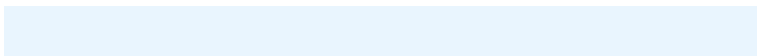
89.9801, 0.3164, 0.3212



89.9801, 0.3259, 0.3381



89.9801, 0.3090, 0.3370



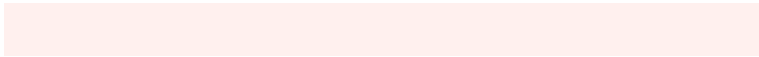
89.9801, 0.2997, 0.3198

Rectangle

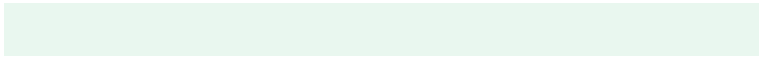
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



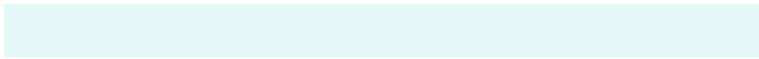
89.9801, 0.3164, 0.3212



89.9801, 0.3253, 0.3308



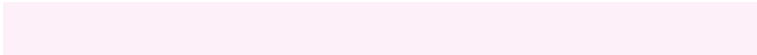
89.9801, 0.3090, 0.3370



89.9801, 0.3003, 0.3270

Sweetspot

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



89.9840, 0.3164, 0.3212



96.6630, 0.3141, 0.3260



88.8170, 0.3081, 0.3161



20.7248, 0.3140, 0.3262



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

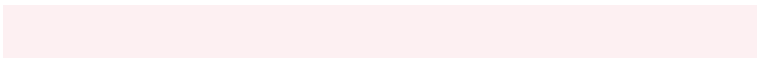
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.9840, 0.3164, 0.3212



90.2492, 0.3170, 0.3199



89.5864, 0.3204, 0.3275



19.0999, 0.3175, 0.3189



12.4038, 0.4486, 0.2245



1.2291, 0.4301, 0.2143

Inverse Universe

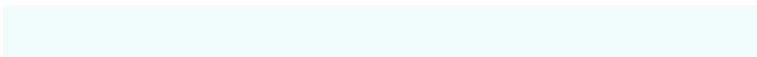
The Inverse Universe completely reimagines the original color for something new.



89.9840, 0.3164, 0.3212



90.2492, 0.3170, 0.3199



95.8226, 0.3055, 0.3305



19.0999, 0.3175, 0.3189



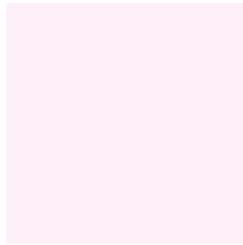
12.4038, 0.4486, 0.2245



1.2291, 0.4301, 0.2143

Previews

White Background



This preview shows how the Yxy color 89.9801, 0.3164, 0.3212 looks on a white background.

Color Contrast Check

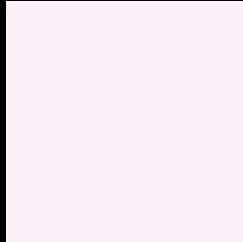
Large Text (above 18pt) WCAG AA × Fail

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 89.9801, 0.3164, 0.3212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

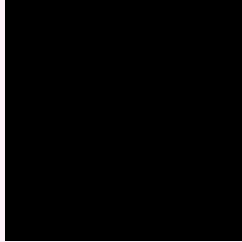
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.9801, 0.3164, 0.3212

Background



This preview shows how black text looks on a background with the Yxy color 89.9801, 0.3164, 0.3212.

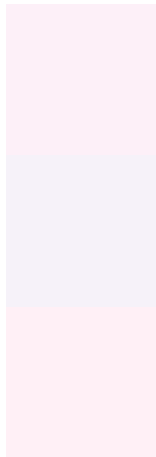


This preview shows how white text looks on a background with the Yxy color 89.9801, 0.3164, 0.3212.

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

89.9801, 0.3164, 0.3212

Protanopia

89.9366, 0.3111, 0.3221

Deuteranopia

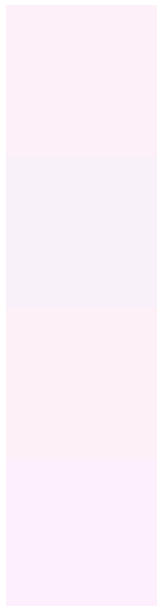
90.2340, 0.3189, 0.3232



Tritanopia

89.8357, 0.3121, 0.3136

Trichromacy



Original Color

89.9801, 0.3164, 0.3212

Protanomaly

89.8899, 0.3131, 0.3212

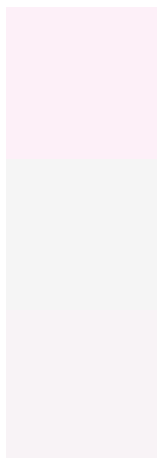
Deuteranomaly

90.1064, 0.3176, 0.3222

Tritanomaly

89.6439, 0.3140, 0.3164

Monochromacy



Original Color

89.9801, 0.3164, 0.3212

Achromatopsia

91.3099, 0.3127, 0.3290

Achromatomaly

90.7115, 0.3142, 0.3261

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.9801, 0.3164, 0.3212 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(253, 240, 248)` looks like.

```
.text, #text, p{  
    color:rgb(253, 240, 248)  
}
```

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(253, 240, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 240, 248) }
```

Border

The CSS property to change the border of an element to Yxy 89.9801, 0.3164, 0.3212 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(253, 240, 248) }
```

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

```
.border{ border-color:rgb(253, 240, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 240, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(253, 240, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(253, 240, 248); box-shadow:4px 4px 4px 4px rgb(253, 240, 248) }
```


Background

The CSS property to change the background color of an element to Yxy 89.9801, 0.3164, 0.3212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 240, 248) }
```

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

```
.background{ background-color: rgb(253,  
240, 248) }
```

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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