

Converting Colors

$Y_{xy}(100.0000, 0.3165, 0.3403)$

Have a look what the booklet for
Yxy(100.0000, 0.3165, 0.3403)
contains.

Yxy(98.8080, 0.3166, 0.3386)	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(98.8080, 0.3166, 0.3386)

Conversions

Conversions Part 1

Format	Color
Hex	FCFFF5
RGB	252, 255, 245
RGB Percent	99%, 100%, 96%
CMY	0.0118, 0.0000, 0.0391
CMYK	0.01, 0.00, 0.04, 0.00
HSL	78°, 100%, 98%
HSV	78°, 4%, 100%
XYZ	92.3881, 98.8080, 100.6172
YIQ	252.9630, 1.4220, -3.7460

Conversions

Conversions Part 2

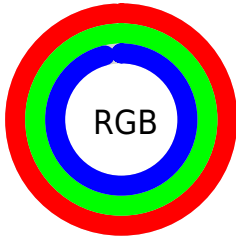
Format	Color
R _Y B	245, 255, 248
Decimal	16580597
CIE Lab	99.54, -2.71, 4.40
CIE LCh	100, 5.166, 121.666
Yxy	98.8080, 0.3166, 0.3386
Android (android.graphics.Color)	4294770677 (0xFFFCFF5)
YUV	252.9630, -3.9258, -0.8446
Hunter-Lab	99.4022, -8.0493, 9.5668

Details

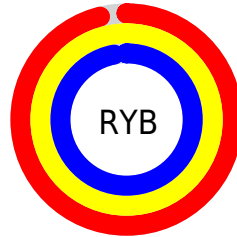
The Yxy color 98.8080, 0.3166, 0.3386 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 92.5123, 0.3087, 0.3193, and the grayscale version is 98.2266, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 55.6644, 0.3169, 0.3400 is the 20% darker color. If you saturate the color by 10%, you get 95.9483, 0.3267, 0.3643, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

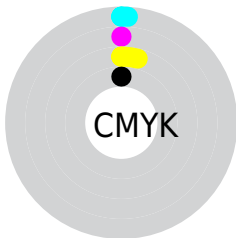
Distribution



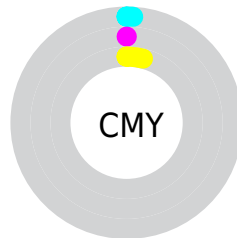
- Red (99%)
- Green (100%)
- Blue (96%)



- Red (96%)
- Yellow (100%)
- Blue (97%)



- Cyan (1%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (1%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 98.8080, 0.3166, 0.3386 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 98.8080, 0.3166, 0.3386 by changing the saturation by 10% instead.

 98.8080, 0.3166,
0.3386

 98.8080, 0.3166,
0.3386


556.2854, 0.3149,
0.3344

 75.3084, 0.3170,
0.3395


159.5152, 0.3160,
0.3372

 55.8656, 0.3174,
0.3406


197.4916, 0.3158,
0.3366

 40.0952, 0.3179,
0.3420

241.0623, 0.3156,
0.3361

 27.6127, 0.3186,
0.3437

290.6118, 0.3154,
0.3357

 18.0339, 0.3195,
0.3460

346.5245, 0.3153,
0.3353

 10.9744, 0.3207,
0.3491

409.1847, 0.3151,

 6.0496, 0.3224,

0.3350

0.3537

478.9769, 0.3150,
0.3347

■ 2.8753, 0.3250,
0.3608

■ 1.0670, 0.3302,
0.3743

■ 98.8080, 0.3166,
0.3386

■ 98.8080, 0.3166,
0.3386

■ 95.9483, 0.3267,
0.3643

100.0000, 0.3127,
0.3290

■ 93.3513, 0.3367,
0.3914

■ 91.0078, 0.3462,
0.4192

■ 88.9070, 0.3549,
0.4469

■ 87.0373, 0.3621,
0.4733

■ 85.3860, 0.3673,
0.4971

■ 83.9386, 0.3702,
0.5172

■ 82.6787, 0.3705,
0.5327

■ 81.5863, 0.3682,
0.5432

Harmonies

Analogous

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



98.8080, 0.3213, 0.3383



98.8080, 0.3166, 0.3386



98.8080, 0.3109, 0.3363

Triad

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



98.8080, 0.3166, 0.3386



98.8080, 0.3019, 0.3224



98.8080, 0.3197, 0.3261

Complementary

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



98.8080, 0.3166, 0.3386



92.5123, 0.3087, 0.3193

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.



98.8080, 0.3144, 0.3219



98.8080, 0.3166, 0.3386



98.8080, 0.3042, 0.3198

Square

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



98.8080, 0.3166, 0.3386



98.8080, 0.3025, 0.3269



98.8080, 0.3088, 0.3196



98.8080, 0.3230, 0.3310

Rectangle

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



98.8080, 0.3166, 0.3386



98.8080, 0.3074, 0.3335



98.8080, 0.3088, 0.3196



98.8080, 0.3181, 0.3245

Sweetspot

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



98.8088, 0.3166, 0.3386



99.6911, 0.3137, 0.3314



95.0058, 0.3190, 0.3319



21.3413, 0.3137, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

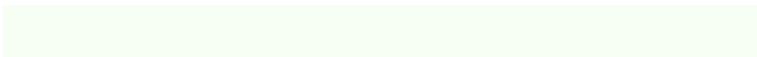
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98.8088, 0.3166, 0.3386



98.4830, 0.3177, 0.3413



97.8945, 0.3135, 0.3387



21.0350, 0.3184, 0.3431



42.3985, 0.3668, 0.5469



4.1853, 0.3730, 0.5421

Inverse Universe

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



92.5123, 0.3087, 0.3193



90.4840, 0.3076, 0.3166



93.4316, 0.3119, 0.3194



19.0915, 0.3068, 0.3147



4.6645, 0.1702, 0.0711



0.5083, 0.1820, 0.0776

Previews

White Background



This preview shows how the Yxy color 98.8080, 0.3166, 0.3386 looks on a white background.

Color Contrast Check

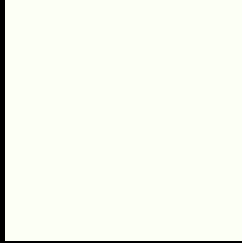
Large Text (above 18pt) WCAG AA × Fail

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 98.8080, 0.3166, 0.3386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

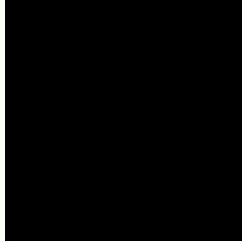
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 98.8080, 0.3166, 0.3386

Background



This preview shows how black text looks on a background with the Yxy color 98.8080, 0.3166, 0.3386.



This preview shows how white text looks on a background with the Yxy color 98.8080, 0.3166, 0.3386.

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

98.8080, 0.3166, 0.3386

Protanopia

98.5388, 0.3145, 0.3300

Deuteranopia

98.6024, 0.3140, 0.3290

Tritanopia

98.5414, 0.3122, 0.3271

Trichromacy

Original Color

98.8080, 0.3166, 0.3386

Protanomaly

98.7940, 0.3156, 0.3338

Deuteranomaly

98.8566, 0.3150, 0.3328

Tritanomaly

98.7313, 0.3138, 0.3319

Monochromacy

Original Color

98.8080, 0.3166, 0.3386

Achromatopsia

98.2251, 0.3127, 0.3290

Achromatomaly

98.6684, 0.3144, 0.3328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 98.8080, 0.3166, 0.3386 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, 255, 245)` looks like.

```
.text, #text, p{  
    color:rgb(252, 255, 245)  
}
```

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, 255, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 255, 245) }
```

Border

The CSS property to change the border of an element to Yxy 98.8080, 0.3166, 0.3386 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, 255, 245) }
```

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

```
.border{ border-color:rgb(252, 255, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 255, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(252, 255,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 98.8080, 0.3166, 0.3386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 255, 245) }
```

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

```
.background{ background-color: rgb(252,  
255, 245) }
```

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