

Converting Colors

$Y_{xy}(100.0000, 0.3123, 0.3339)$

Have a look what the booklet for
Yxy(100.0000, 0.3123, 0.3339)
contains.

Yxy(98.9943, 0.3125, 0.3328)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Yxy(98.9943, 0.3125, 0.3328)

Conversions

Conversions Part 1

Format	Color
Hex	FBFFFF
RGB	251, 255, 251
RGB Percent	98%, 100%, 98%
CMY	0.0158, 0.0000, 0.0155
CMYK	0.02, 0.00, 0.02, 0.00
HSL	121°, 100%, 99%
HSV	121°, 2%, 100%
XYZ	92.9559, 98.9943, 105.5086
YIQ	253.3480, -1.1000, -2.0920

Conversions

Conversions Part 2

Format	Color
R _Y B	251, 255, 255
Decimal	16515067
CIE Lab	99.61, -2.01, 1.42
CIE LCh	100, 2.460, 144.884
Yxy	98.9943, 0.3125, 0.3328
Android (android.graphics.Color)	4294705147 (0xFFFBFFFB)
YUV	253.3480, -1.1576, -2.0592
Hunter-Lab	99.4959, -7.3508, 6.7741

Details

The Yxy color 98.9943, 0.3125, 0.3328 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 97.4587, 0.3129, 0.3252, and the grayscale version is 98.5423, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 55.9304, 0.3125, 0.3326 is the 20% darker color. If you saturate the color by 10%, you get 93.0921, 0.3110, 0.3589, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

Distribution



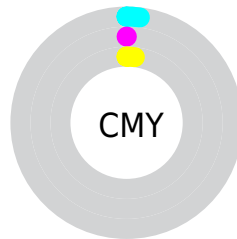
- Red (98%)
- Green (100%)
- Blue (98%)



- Red (98%)
- Yellow (100%)
- Blue (100%)



- Cyan (2%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (2%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 98.9943, 0.3125, 0.3328 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 98.9943, 0.3125, 0.3328 by changing the saturation by 10% instead.

 98.9943, 0.3125,
0.3328

 98.9943, 0.3125,
0.3328


556.8748, 0.3126,
0.3311

 75.4638, 0.3125,
0.3332


159.7715, 0.3125,
0.3322

 55.9930, 0.3125,
0.3336


197.7871, 0.3125,
0.3320

 40.1973, 0.3124,
0.3341


241.3999, 0.3126,
0.3318

 27.6924, 0.3124,
0.3348

290.9942, 0.3126,
0.3317

 18.0939, 0.3123,
0.3357

346.9544, 0.3126,
0.3315

 11.0174, 0.3122,
0.3369

409.6650, 0.3126,

 6.0786, 0.3121,

0.3314

0.3387

479.5103, 0.3126,
0.3313

■ 2.8929, 0.3119,
0.3414

■ 1.0761, 0.3116,
0.3464

■ 98.9943, 0.3125,
0.3328

■ 98.9943, 0.3125,
0.3328

■ 93.0921, 0.3110,
0.3589

100.0000, 0.3127,
0.3290

■ 88.0051, 0.3094,
0.3885

■ 83.6969, 0.3077,
0.4213

■ 80.1288, 0.3059,
0.4564

■ 77.2594, 0.3041,
0.4923

■ 75.0428, 0.3025,
0.5266

■ 73.4277, 0.3012,
0.5565

■ 72.3554, 0.3004,
0.5794

■ 71.7550, 0.3000,
0.5937

Harmonies

Analogous

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



98.9943, 0.3151, 0.3336



98.9943, 0.3125, 0.3328



98.9943, 0.3099, 0.3309

Triad

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



98.9943, 0.3125, 0.3328



98.9943, 0.3083, 0.3248



98.9943, 0.3174, 0.3295

Complementary

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



98.9943, 0.3125, 0.3328



97.4587, 0.3129, 0.3252

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.



98.9943, 0.3155, 0.3271



98.9943, 0.3125, 0.3328



98.9943, 0.3103, 0.3244

Square

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



98.9943, 0.3125, 0.3328



98.9943, 0.3075, 0.3263



98.9943, 0.3129, 0.3253



98.9943, 0.3180, 0.3317

Rectangle

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



98.9943, 0.3125, 0.3328



98.9943, 0.3086, 0.3294



98.9943, 0.3129, 0.3253



98.9943, 0.3169, 0.3287

Sweetspot

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



98.9934, 0.3125, 0.3328

100.0000, 0.3127, 0.3290



99.7438, 0.3150, 0.3328



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

Same Dimension

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



98.9934, 0.3125, 0.3328



98.7262, 0.3124, 0.3338



99.1170, 0.3114, 0.3309



21.1448, 0.3125, 0.3336



37.3771, 0.2997, 0.5991



3.6408, 0.2991, 0.5969

Inverse Universe

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



97.4587, 0.3129, 0.3252



96.7841, 0.3130, 0.3242



97.3339, 0.3141, 0.3271



20.7495, 0.3130, 0.3245



14.7547, 0.3247, 0.1563



1.4381, 0.3243, 0.1560

Previews

White Background



This preview shows how the Yxy color 98.9943, 0.3125, 0.3328 looks on a white background.

Color Contrast Check

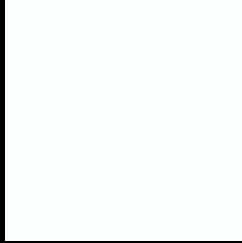
Large Text (above 18pt) WCAG AA × Fail

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 98.9943, 0.3125, 0.3328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

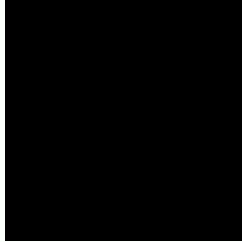
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 98.9943, 0.3125, 0.3328

Background



This preview shows how black text looks on a background with the Yxy color 98.9943, 0.3125, 0.3328.



This preview shows how white text looks on a background with the Yxy color 98.9943, 0.3125, 0.3328.

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

98.9943, 0.3125, 0.3328

Protanopia

99.2355, 0.3139, 0.3300

Deuteranopia

98.6663, 0.3134, 0.3281

Tritanopia

99.1745, 0.3121, 0.3280

Trichromacy

Original Color

98.9943, 0.3125, 0.3328

Protanomaly

98.9827, 0.3139, 0.3309

Deuteranomaly

99.0463, 0.3133, 0.3300

Tritanomaly

98.9220, 0.3121, 0.3290

Monochromacy

Original Color

98.9943, 0.3125, 0.3328

Achromatopsia

98.2251, 0.3127, 0.3290

Achromatomaly

98.6073, 0.3126, 0.3309

CSS Examples

Text

The CSS property to change the color of the text to Yxy 98.9943, 0.3125, 0.3328 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(251, 255, 251) looks like.

```
.text, #text, p{  
    color:rgb(251, 255, 251)  
}
```

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(251, 255, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 255, 251) }
```

Border

The CSS property to change the border of an element to Yxy 98.9943, 0.3125, 0.3328 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(251, 255, 251) }
```

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

```
.border{ border-color:rgb(251, 255, 251) }
```

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

Here you see how a box with a 4 pixel rgb(251, 255, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 255, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 255, 251);  
box-shadow:4px 4px 4px 4px rgb(251, 255,  
251) }
```

Background

The CSS property to change the background color of an element to Yxy 98.9943, 0.3125, 0.3328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 255, 251) }
```

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

```
.background{ background-color: rgb(251,  
255, 251) }
```

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