

Converting Colors

$Y_{xy}(100.0000, 0.3285, 0.3449)$

Have a look what the booklet for
Yxy(100.0000, 0.3285, 0.3449)
contains.

Yxy(98.2580, 0.3233, 0.3454)	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(98.2580, 0.3233, 0.3454)

Conversions

Conversions Part 1

Format	Color
Hex	FFFEED
RGB	255, 254, 237
RGB Percent	100%, 100%, 93%
CMY	0.0000, 0.0039, 0.0705
CMYK	0.00, 0.00, 0.07, 0.00
HSL	57°, 100%, 96%
HSV	57°, 7%, 100%
XYZ	91.9711, 98.2580, 94.2469
YIQ	252.3610, 6.0530, -5.0750

Conversions

Conversions Part 2

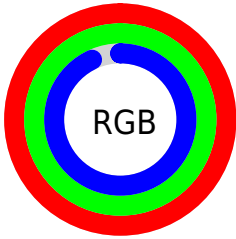
Format	Color
R_{YB}	238, 255, 237
Decimal	16776941
CIE Lab	99.32, -2.53, 8.23
CIE LCh	99, 8.609, 107.109
Yxy	98.2580, 0.3233, 0.3454
Android (android.graphics.Color)	4294967021 (0xFFFFFEED)
YUV	252.3610, -7.5730, 2.3144
Hunter-Lab	99.1252, -7.8518, 13.0155

Details

The Yxy color 98.2580, 0.3233, 0.3454 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 86.3810, 0.3018, 0.3121, and the grayscale version is 97.7253, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 55.2745, 0.3255, 0.3487 is the 20% darker color. If you saturate the color by 10%, you get 95.9805, 0.3388, 0.3693, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

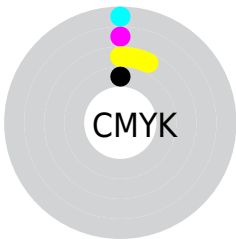
Distribution



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



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



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 98.2580, 0.3233, 0.3454 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 98.2580, 0.3233, 0.3454 by changing the saturation by 10% instead.


 98.2580, 0.3233,
0.3454

 98.2580, 0.3233,
0.3454


554.5434, 0.3187,
0.3382

 74.8496, 0.3243,
0.3470

158.7581, 0.3217,
0.3430

 55.4897, 0.3255,
0.3489


196.6185, 0.3211,
0.3420

 39.7939, 0.3270,
0.3512


240.0651, 0.3206,
0.3412

 27.3779, 0.3289,
0.3542

289.4821, 0.3201,
0.3404

 17.8572, 0.3313,
0.3581

345.2541, 0.3197,
0.3398

 10.8475, 0.3346,
0.3635

407.7654, 0.3193,

 5.9644, 0.3393,

0.3392

0.3712

477.4003, 0.3190,
0.3387

■ 2.8234, 0.3465,
0.3834

■ 1.0403, 0.3671,
0.4144

■ 98.2580, 0.3233,
0.3454

■ 98.2580, 0.3233,
0.3454

■ 95.9805, 0.3388,
0.3693

100.0000, 0.3127,
0.3290

■ 93.9101, 0.3547,
0.3934

■ 92.0398, 0.3703,
0.4170

■ 90.3593, 0.3852,
0.4390

■ 88.8574, 0.3987,
0.4585

■ 87.5216, 0.4101,
0.4745

■ 86.3376, 0.4190,
0.4863

■ 85.2889, 0.4252,
0.4936

■ 84.3541, 0.4288,
0.4967

Harmonies

Analogous

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



98.2580, 0.3295, 0.3427



98.2580, 0.3233, 0.3454



98.2580, 0.3143, 0.3436

Triad

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



98.2580, 0.3233, 0.3454



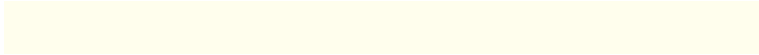
98.2580, 0.2947, 0.3212



98.2580, 0.3203, 0.3205

Complementary

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



98.2580, 0.3233, 0.3454



86.3810, 0.3018, 0.3121

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.



98.2580, 0.3109, 0.3150



98.2580, 0.3233, 0.3454



98.2580, 0.2962, 0.3152

Square

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



98.2580, 0.3233, 0.3454



98.2580, 0.2979, 0.3295



98.2580, 0.3021, 0.3130



98.2580, 0.3278, 0.3283

Rectangle

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



98.2580, 0.3233, 0.3454



98.2580, 0.3080, 0.3401



98.2580, 0.3021, 0.3130



98.2580, 0.3173, 0.3183

Sweetspot

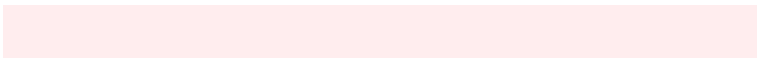
The Sweet Spot groups the original color and five complimentary colors.



98.2606, 0.3233, 0.3454



99.4956, 0.3157, 0.3336



88.0209, 0.3240, 0.3279



21.3015, 0.3155, 0.3334



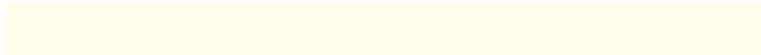
0.0000, 0.0000, 0.0000



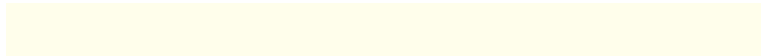
21.4041, 0.3127, 0.3290

Same Dimension

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



98.2606, 0.3233, 0.3454



98.0357, 0.3247, 0.3476



97.4466, 0.3183, 0.3466



20.9080, 0.3271, 0.3512



44.0140, 0.4294, 0.4973



4.3361, 0.4281, 0.4983

Inverse Universe

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



86.3810, 0.3018, 0.3121



84.6501, 0.3003, 0.3097



87.1731, 0.3069, 0.3113



17.5392, 0.2978, 0.3058



4.0029, 0.1509, 0.0633



0.4440, 0.1531, 0.0711

Previews

White Background



This preview shows how the Yxy color 98.2580, 0.3233, 0.3454 looks on a white background.

Color Contrast Check

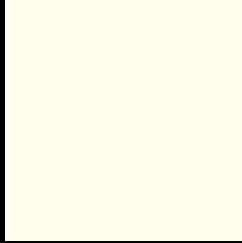
Large Text (above 18pt) WCAG AA × Fail

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 98.2580, 0.3233, 0.3454 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

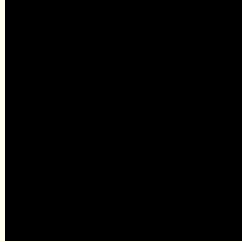
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 98.2580, 0.3233, 0.3454

Background



This preview shows how black text looks on a background with the Yxy color 98.2580, 0.3233, 0.3454.

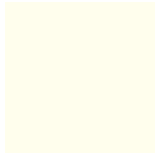


This preview shows how white text looks on a background with the Yxy color 98.2580, 0.3233, 0.3454.

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

98.2580, 0.3233, 0.3454

Protanopia

98.3501, 0.3163, 0.3328

Deuteranopia

98.5388, 0.3145, 0.3300

Tritanopia

98.5414, 0.3122, 0.3271

Trichromacy



Original Color

98.2580, 0.3233, 0.3454

Protanomaly

98.1031, 0.3186, 0.3367

Deuteranomaly

98.2260, 0.3175, 0.3348

Tritanomaly

98.0987, 0.3163, 0.3338

Monochromacy



Original Color

98.2580, 0.3233, 0.3454



Achromatopsia

97.3445, 0.3127, 0.3290

Achromatomaly

97.8486, 0.3162, 0.3348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 98.2580, 0.3233, 0.3454 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, 254, 237)` looks like.

```
.text, #text, p{  
    color:rgb(255, 254, 237)  
}
```

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, 254, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 254, 237) }
```

Border

The CSS property to change the border of an element to Yxy 98.2580, 0.3233, 0.3454 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, 254, 237) }
```

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

```
.border{ border-color:rgb(255, 254, 237) }
```

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

Here you see how a box with a 4 pixel rgb(255, 254, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 254, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 254, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 254,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 98.2580, 0.3233, 0.3454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 254, 237) }
```

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

```
.background{ background-color: rgb(255,  
254, 237) }
```

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