

Converting Colors

$Y_{xy}(100.0000, 0.3299, 0.3468)$

Have a look what the booklet for
Yxy(100.0000, 0.3299, 0.3468)
contains.

Yxy(98.1418, 0.3245, 0.3474)	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(98.1418, 0.3245, 0.3474)

Conversions

Conversions Part 1

Format	Color
Hex	FFFEEB
RGB	255, 254, 235
RGB Percent	100%, 100%, 92%
CMY	0.0000, 0.0039, 0.0785
CMYK	0.00, 0.00, 0.08, 0.00
HSL	57°, 100%, 96%
HSV	57°, 8%, 100%
XYZ	91.6725, 98.1418, 92.6895
YIQ	252.1330, 6.6950, -5.6970

Conversions

Conversions Part 2

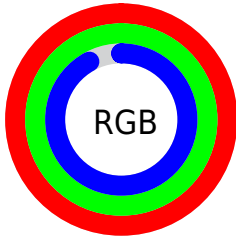
Format	Color
R _Y B	236, 255, 235
Decimal	16776939
CIE Lab	99.28, -2.87, 9.21
CIE LCh	99, 9.643, 107.330
Yxy	98.1418, 0.3245, 0.3474
Android (android.graphics.Color)	4294967019 (0xFFFFFEEB)
YUV	252.1330, -8.4466, 2.5144
Hunter-Lab	99.0665, -8.1892, 13.8732

Details

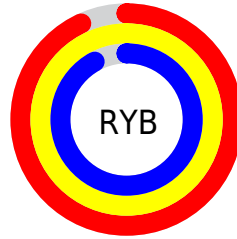
The Yxy color 98.1418, 0.3245, 0.3474 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 84.8459, 0.3006, 0.3099, and the grayscale version is 97.5308, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 55.1929, 0.3270, 0.3512 is the 20% darker color. If you saturate the color by 10%, you get 95.9833, 0.3400, 0.3715, and if you desaturate by 10%, it is 99.9990, 0.3127, 0.3290.

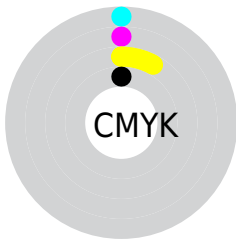
Distribution



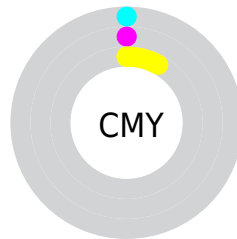
- Red (100%)
- Green (100%)
- Blue (92%)



- Red (93%)
- Yellow (100%)
- Blue (92%)



- Cyan (0%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 98.1418, 0.3245, 0.3474 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 98.1418, 0.3245, 0.3474 by changing the saturation by 10% instead.


 98.1418, 0.3245,
0.3474

 98.1418, 0.3245,
0.3474

554.1750, 0.3194,
0.3393

 74.7526, 0.3256,
0.3492


158.5981, 0.3228,
0.3447

 55.4103, 0.3269,
0.3513

196.4340, 0.3221,
0.3436

 39.7303, 0.3286,
0.3540


239.8543, 0.3215,
0.3426

 27.3283, 0.3307,
0.3573

289.2433, 0.3210,
0.3418

 17.8200, 0.3334,
0.3617

344.9855, 0.3205,
0.3411

 10.8208, 0.3370,
0.3677

407.4652, 0.3201,

 5.9465, 0.3422,

0.3404

0.3764

477.0669, 0.3197,
0.3398

■ 2.8126, 0.3502,
0.3901

■ 1.0347, 0.3755,
0.4281

■ 98.1418, 0.3245,
0.3474

■ 98.1418, 0.3245,
0.3474

■ 95.9833, 0.3400,
0.3715

99.9990, 0.3127,
0.3290

■ 94.0280, 0.3558,
0.3957


■ 92.2706, 0.3713,
0.4193

■ 90.7008, 0.3860,
0.4413

 89.3072, 0.3992,
0.4606

 88.0772, 0.4103,
0.4763

 86.9965, 0.4188,
0.4878

 86.0482, 0.4246,
0.4948

 85.2096, 0.4278,
0.4977

Harmonies

Analogous

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



98.1418, 0.3315, 0.3443



98.1418, 0.3245, 0.3474



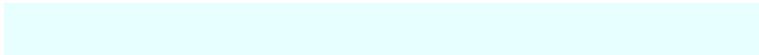
98.1418, 0.3144, 0.3454

Triad

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



98.1418, 0.3245, 0.3474



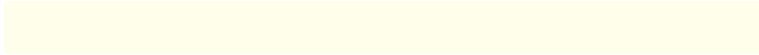
98.1418, 0.2925, 0.3202



98.1418, 0.3213, 0.3195

Complementary

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



98.1418, 0.3245, 0.3474



84.8459, 0.3006, 0.3099

Split Complementary

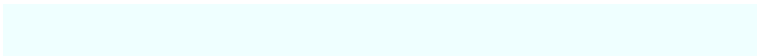
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.1418, 0.3107, 0.3133



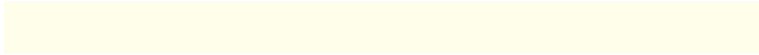
98.1418, 0.3245, 0.3474



98.1418, 0.2942, 0.3136

Square

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



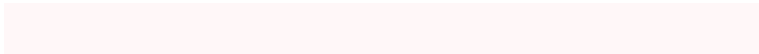
98.1418, 0.3245, 0.3474



98.1418, 0.2961, 0.3295



98.1418, 0.3009, 0.3111



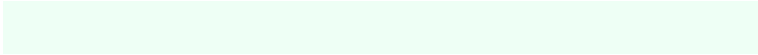
98.1418, 0.3296, 0.3282

Rectangle

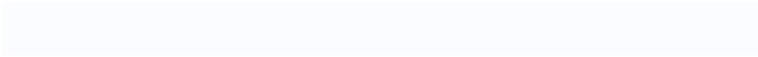
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



98.1418, 0.3245, 0.3474



98.1418, 0.3074, 0.3414



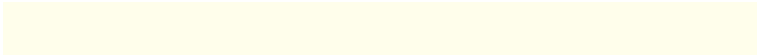
98.1418, 0.3009, 0.3111



98.1418, 0.3179, 0.3171

Sweetspot

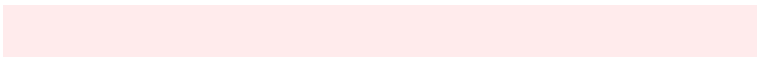
The Sweet Spot groups the original color and five complimentary colors.



98.1461, 0.3245, 0.3474



99.5160, 0.3157, 0.3336



86.7169, 0.3256, 0.3281



21.3056, 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.



98.1461, 0.3245, 0.3474



97.8913, 0.3263, 0.3501



97.1038, 0.3187, 0.3487



20.9286, 0.3270, 0.3514



44.5024, 0.4282, 0.4982



4.3783, 0.4271, 0.4991

Inverse Universe

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



84.8459, 0.3006, 0.3099



82.7630, 0.2987, 0.3069



85.8531, 0.3064, 0.3093



17.5209, 0.2978, 0.3056



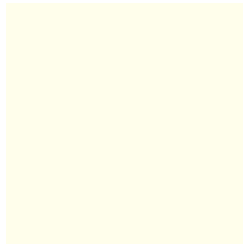
3.9767, 0.1508, 0.0629



0.4354, 0.1527, 0.0698

Previews

White Background



This preview shows how the Yxy color 98.1418, 0.3245, 0.3474 looks on a white background.

Color Contrast Check

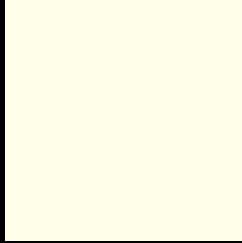
Large Text (above 18pt) WCAG AA × Fail

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 98.1418, 0.3245, 0.3474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

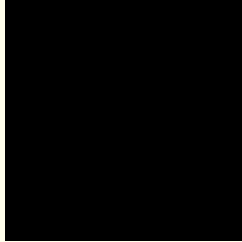
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 98.1418, 0.3245, 0.3474

Background



This preview shows how black text looks on a background with the Yxy color 98.1418, 0.3245, 0.3474.



This preview shows how white text looks on a background with the Yxy color 98.1418, 0.3245, 0.3474.

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

98.1418, 0.3245, 0.3474



Protanopia

98.3501, 0.3163, 0.3328

Deuteranopia

97.9091, 0.3146, 0.3290

Tritanopia

97.9116, 0.3122, 0.3261

Trichromacy



Original Color

98.1418, 0.3245, 0.3474

Protanomaly

98.0422, 0.3192, 0.3377

Deuteranomaly

98.1644, 0.3181, 0.3357

Tritanomaly

98.0987, 0.3163, 0.3338

Monochromacy



Original Color

98.1418, 0.3245, 0.3474



Achromatopsia

97.3445, 0.3127, 0.3290



Achromatomaly

97.7870, 0.3168, 0.3357

CSS Examples

Text

The CSS property to change the color of the text to Yxy 98.1418, 0.3245, 0.3474 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, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 254, 235)  
}
```

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, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 254, 235) }
```

Border

The CSS property to change the border of an element to Yxy 98.1418, 0.3245, 0.3474 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, 235) }
```

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

```
.border{ border-color:rgb(255, 254, 235) }
```

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, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 254, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 254, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 254,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 98.1418, 0.3245, 0.3474 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, 235) }
```

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

```
.background{ background-color: rgb(255,  
254, 235) }
```

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