

Converting Colors

$Yxy(97.3319, 0.3137, 0.3415)$

Have a look what the booklet for
Yxy(97.3319, 0.3137, 0.3415)
contains.

Yxy(97.3433, 0.3140, 0.3417)	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(97.3433, 0.3140, 0.3417)

Conversions

Conversions Part 1

Format	Color
Hex	F5FFF2
RGB	245, 255, 242
RGB Percent	96%, 100%, 95%
CMY	0.0391, 0.0000, 0.0509
CMYK	0.04, 0.00, 0.05, 0.00
HSL	106°, 100%, 97%
HSV	106°, 5%, 100%
XYZ	89.4521, 97.3433, 98.0840
YIQ	250.5280, -1.7870, -6.1630

Conversions

Conversions Part 2

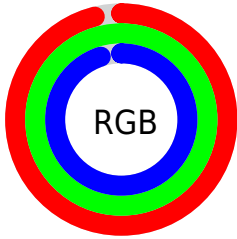
Format	Color
R _Y B	242, 255, 252
Decimal	16121842
CIE Lab	98.96, -5.54, 5.06
CIE LCh	99, 7.502, 137.624
Yxy	97.3433, 0.3140, 0.3417
Android (android.graphics.Color)	4294311922 (0xFF5FF5FF2)
YUV	250.5280, -4.2043, -4.8481
Hunter-Lab	98.6627, -10.8234, 10.1217

Details

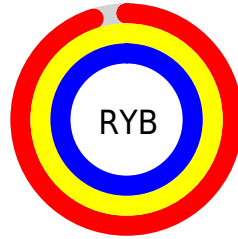
The Yxy color 97.3433, 0.3140, 0.3417 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 91.4192, 0.3113, 0.3165, and the grayscale version is 96.1010, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.7522, 0.3144, 0.3440 is the 20% darker color. If you saturate the color by 10%, you get 92.5855, 0.3164, 0.3689, and if you desaturate by 10%, it is 99.9978, 0.3127, 0.3290.

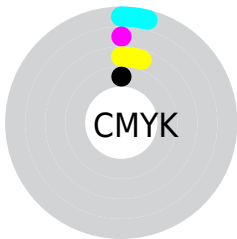
Distribution



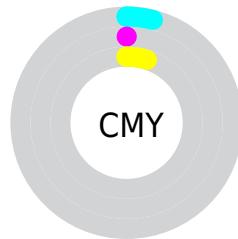
- Red (96%)
- Green (100%)
- Blue (95%)



- Red (95%)
- Yellow (100%)
- Blue (99%)



- Cyan (4%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 97.3433, 0.3140, 0.3417 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 97.3433, 0.3140, 0.3417 by changing the saturation by 10% instead.


 97.3433, 0.3140,
0.3417

 97.3433, 0.3140,
0.3417

551.6399, 0.3135,
0.3361

 74.0868, 0.3141,
0.3429

157.4980, 0.3138,
0.3398

 54.8651, 0.3142,
0.3444


195.1651, 0.3138,
0.3390

 39.2937, 0.3144,
0.3463

238.4045, 0.3137,
0.3384

 26.9883, 0.3146,
0.3486

287.6005, 0.3136,
0.3378

 17.5644, 0.3149,
0.3517

343.1377, 0.3136,
0.3373

 10.6377, 0.3152,
0.3560

405.4004, 0.3135,

 5.8238, 0.3156,

0.3369

0.3622

474.7730, 0.3135,
0.3364

■ 2.7382, 0.3162,
0.3722

■ 0.9967, 0.3191,
0.3937

■ 97.3433, 0.3140,
0.3417

■ 97.3433, 0.3140,
0.3417

■ 92.5855, 0.3164,
0.3689

99.9978, 0.3127,
0.3290

■ 88.3888, 0.3185,
0.3988

■ 84.7359, 0.3202,
0.4311

■ 81.6039, 0.3211,
0.4648

■ 78.9684, 0.3211,
0.4982

■ 76.8025, 0.3200,
0.5295

■ 75.0771, 0.3176,
0.5563

■ 73.7591, 0.3142,
0.5767

■ 72.8101, 0.3100,
0.5896

Harmonies

Analogous

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



97.3433, 0.3219, 0.3433



97.3433, 0.3140, 0.3417



97.3433, 0.3059, 0.3365

Triad

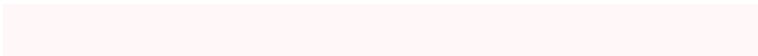
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



97.3433, 0.3140, 0.3417



97.3433, 0.2983, 0.3169



97.3433, 0.3260, 0.3285

Complementary

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



97.3433, 0.3140, 0.3417



91.4192, 0.3113, 0.3165

Split Complementary

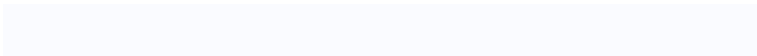
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.3433, 0.3195, 0.3217



97.3433, 0.3140, 0.3417



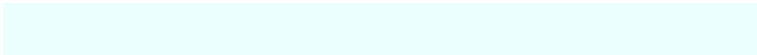
97.3433, 0.3035, 0.3150

Square

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



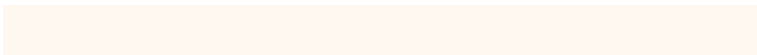
97.3433, 0.3140, 0.3417



97.3433, 0.2969, 0.3221



97.3433, 0.3113, 0.3168



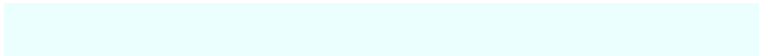
97.3433, 0.3288, 0.3356

Rectangle

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



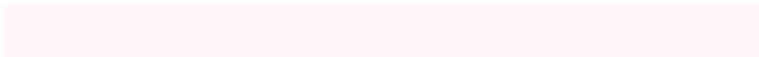
97.3433, 0.3140, 0.3417



97.3433, 0.3014, 0.3318



97.3433, 0.3113, 0.3168



97.3433, 0.3241, 0.3261

Sweetspot

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



97.3475, 0.3140, 0.3417



98.9414, 0.3132, 0.3339



97.2700, 0.3205, 0.3386



21.1886, 0.3132, 0.3337



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.



97.3475, 0.3140, 0.3417



96.8950, 0.3142, 0.3440



97.0179, 0.3101, 0.3383



20.6699, 0.3144, 0.3457



37.9182, 0.3088, 0.5930



3.7389, 0.3162, 0.5871

Inverse Universe

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



91.4192, 0.3113, 0.3165



89.9542, 0.3111, 0.3142



91.7672, 0.3154, 0.3198



19.0299, 0.3109, 0.3126



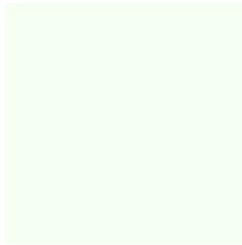
9.9490, 0.2624, 0.1219



1.0179, 0.2694, 0.1258

Previews

White Background



This preview shows how the Yxy color 97.3433, 0.3140, 0.3417 looks on a white background.

Color Contrast Check

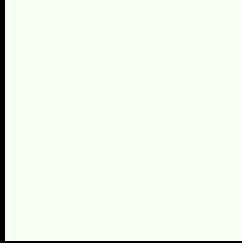
Large Text (above 18pt) WCAG AA × Fail

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 97.3433, 0.3140, 0.3417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

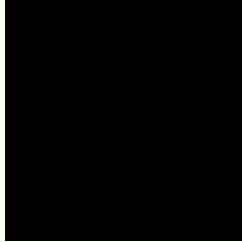
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 97.3433, 0.3140, 0.3417

Background



This preview shows how black text looks on a background with the Yxy color 97.3433, 0.3140, 0.3417.



This preview shows how white text looks on a background with the Yxy color 97.3433, 0.3140, 0.3417.

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

97.3433, 0.3140, 0.3417

Protanopia

96.9698, 0.3176, 0.3329

Deuteranopia

97.2194, 0.3152, 0.3290

Tritanopia

97.5363, 0.3110, 0.3261

Trichromacy



Original Color

97.3433, 0.3140, 0.3417

Protanomaly

96.7226, 0.3162, 0.3358

Deuteranomaly

96.9073, 0.3144, 0.3329

Tritanomaly

97.2924, 0.3120, 0.3319

Monochromacy



Original Color

97.3433, 0.3140, 0.3417



Achromatopsia

96.4686, 0.3127, 0.3290

Achromatomaly

96.5379, 0.3132, 0.3329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 97.3433, 0.3140, 0.3417 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(245, 255, 242)` looks like.

```
.text, #text, p{  
    color:rgb(245, 255, 242)  
}
```

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(245, 255, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 255, 242) }
```

Border

The CSS property to change the border of an element to Yxy 97.3433, 0.3140, 0.3417 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(245, 255, 242) }
```

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

```
.border{ border-color:rgb(245, 255, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 255, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 255, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 255, 242);  
box-shadow:4px 4px 4px 4px rgb(245, 255,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 97.3433, 0.3140, 0.3417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 255, 242) }
```

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

```
.background{ background-color: rgb(245,  
255, 242) }
```

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