

Converting Colors

$Y_{xy}(97.6770, 0.3149, 0.3414)$

Have a look what the booklet for
Yxy(97.6770, 0.3149, 0.3414)
contains.

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Color

Yxy(97.7050, 0.3152, 0.3417)

Conversions

Conversions Part 1

Format	Color
Hex	F7FFF2
RGB	247, 255, 242
RGB Percent	97%, 100%, 95%
CMY	0.0316, 0.0000, 0.0510
CMYK	0.03, 0.00, 0.05, 0.00
HSL	97°, 100%, 97%
HSV	97°, 5%, 100%
XYZ	90.1276, 97.7050, 98.1053
YIQ	251.1260, -0.5950, -5.7390

Conversions

Conversions Part 2

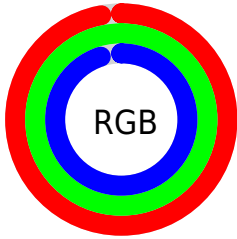
Format	Color
RYB	242, 255, 250
Decimal	16252914
CIELab	99.11, -4.92, 5.29
CIELCh	99, 7.226, 132.965
Yxy	97.7050, 0.3152, 0.3417
Android (android.graphics.Color)	4294442994 (0xFFFF7FFF2)
YUV	251.1260, -4.4991, -3.6185
Hunter-Lab	98.8458, -10.2239, 10.3463

Details

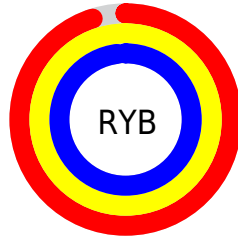
The Yxy color 97.7050, 0.3152, 0.3417 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 91.0530, 0.3101, 0.3164, and the grayscale version is 96.6008, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 55.0097, 0.3160, 0.3439 is the 20% darker color. If you saturate the color by 10%, you get 93.5158, 0.3200, 0.3685, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

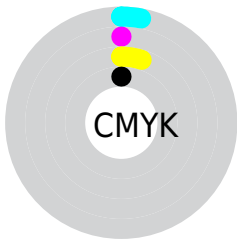
Distribution



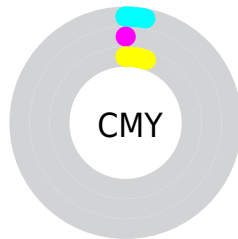
- Red (97%)
- Green (100%)
- Blue (95%)



- Red (95%)
- Yellow (100%)
- Blue (98%)



- Cyan (3%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)




- Cyan (3%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 97.7050, 0.3152, 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 97.7050, 0.3152, 0.3417 by changing the saturation by 10% instead.


 97.7050, 0.3152,
0.3417

 97.7050, 0.3152,
0.3417

552.7890, 0.3141,
0.3361

 74.3884, 0.3154,
0.3429

157.9964, 0.3148,
0.3398

 55.1120, 0.3157,
0.3444


195.7400, 0.3147,
0.3390

 39.4914, 0.3160,
0.3463


239.0614, 0.3146,
0.3384

 27.1422, 0.3164,
0.3486

288.3450, 0.3145,
0.3378

 17.6801, 0.3170,
0.3517

343.9751, 0.3144,
0.3373

 10.7205, 0.3177,
0.3559

406.3363, 0.3143,

 5.8792, 0.3187,

0.3369

0.3621

475.8127, 0.3142,
0.3365

■ 2.7718, 0.3201,
0.3720

■ 1.0138, 0.3248,
0.3930

■ 97.7050, 0.3152,
0.3417

■ 97.7050, 0.3152,
0.3417

■ 93.5158, 0.3200,
0.3685

100.0000, 0.3127,
0.3290

■ 89.7801, 0.3245,
0.3976

■ 86.4711, 0.3285,
0.4285

■ 83.5719, 0.3316,
0.4604

■ 81.0649, 0.3334,
0.4918

■ 78.9305, 0.3336,
0.5210

■ 77.1477, 0.3320,
0.5463

■ 75.6922, 0.3285,
0.5659

■ 74.5357, 0.3234,
0.5791

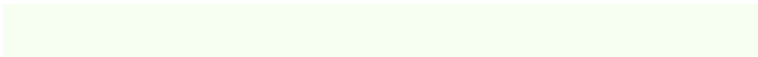
Harmonies

Analogous

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



97.7050, 0.3225, 0.3427



97.7050, 0.3152, 0.3417



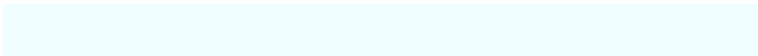
97.7050, 0.3073, 0.3372

Triad

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



97.7050, 0.3152, 0.3417



97.7050, 0.2984, 0.3180



97.7050, 0.3247, 0.3275

Complementary

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



97.7050, 0.3152, 0.3417



91.0530, 0.3101, 0.3164

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.



97.7050, 0.3181, 0.3211



97.7050, 0.3152, 0.3417



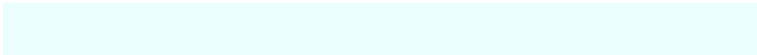
97.7050, 0.3029, 0.3156

Square

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



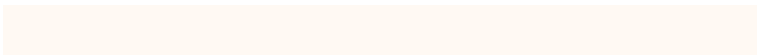
97.7050, 0.3152, 0.3417



97.7050, 0.2976, 0.3234



97.7050, 0.3101, 0.3167



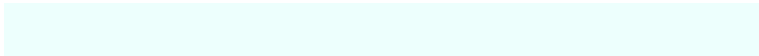
97.7050, 0.3281, 0.3343

Rectangle

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



97.7050, 0.3152, 0.3417



97.7050, 0.3027, 0.3328



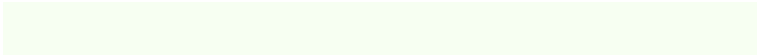
97.7050, 0.3101, 0.3167



97.7050, 0.3228, 0.3252

Sweetspot

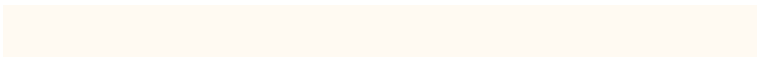
The Sweet Spot groups the original color and five complimentary colors.



97.6937, 0.3152, 0.3417



99.0815, 0.3137, 0.3339



96.0500, 0.3206, 0.3368



21.2172, 0.3136, 0.3336



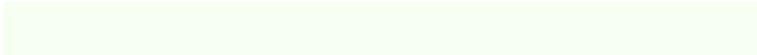
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



97.6937, 0.3152, 0.3417



97.2997, 0.3156, 0.3440



96.8977, 0.3112, 0.3403



20.7653, 0.3160, 0.3457



38.7777, 0.3218, 0.5827



3.8359, 0.3305, 0.5758

Inverse Universe

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



91.0530, 0.3101, 0.3164



89.5364, 0.3096, 0.3141



91.8821, 0.3142, 0.3180



18.9310, 0.3093, 0.3125



7.6589, 0.2273, 0.1026



0.8084, 0.2379, 0.1084

Previews

White Background



This preview shows how the Yxy color 97.7050, 0.3152, 0.3417 looks on a white background.

Color Contrast Check

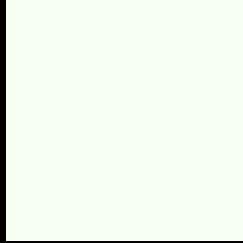
Large Text (above 18pt) WCAG AA × Fail

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 97.7050, 0.3152, 0.3417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

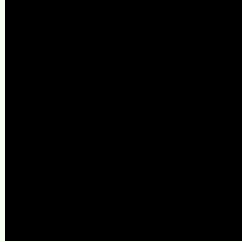
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 97.7050, 0.3152, 0.3417

Background



This preview shows how black text looks on a background with the Yxy color 97.7050, 0.3152, 0.3417.



This preview shows how white text looks on a background with the Yxy color 97.7050, 0.3152, 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

The image shows three vertical color swatches. The top one is a light green, the middle one is a light orange, and the bottom one is a light yellow. To the right of each swatch is text describing the color and its corresponding numerical values.

Original Color

97.7050, 0.3152, 0.3417

Protanopia

97.6581, 0.3169, 0.3328

Deuteranopia

97.9091, 0.3146, 0.3290

Tritanopia

97.5363, 0.3110, 0.3261

Trichromacy



Original Color

97.7050, 0.3152, 0.3417

Protanomaly

97.5998, 0.3162, 0.3358

Deuteranomaly

97.7233, 0.3150, 0.3338

Tritanomaly

97.4767, 0.3126, 0.3319

Monochromacy



Original Color

97.7050, 0.3152, 0.3417



Achromatopsia

96.4686, 0.3127, 0.3290

Achromatomaly

96.7221, 0.3138, 0.3329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 97.7050, 0.3152, 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(247, 255, 242)` looks like.

```
.text, #text, p{  
    color:rgb(247, 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(247, 255, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 255, 242) }
```

Border

The CSS property to change the border of an element to Yxy 97.7050, 0.3152, 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(247, 255, 242) }
```

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

```
.border{ border-color:rgb(247, 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(247, 255, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 255, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 255, 242);  
box-shadow:4px 4px 4px 4px rgb(247, 255,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 97.7050, 0.3152, 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(247, 255, 242) }
```

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

```
.background{ background-color: rgb(247,  
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](#).

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