

Converting Colors

$Y_{xy}(100.0000, 0.3192, 0.3500)$

Have a look what the booklet for
Yxy(100.0000, 0.3192, 0.3500)
contains.

Yxy(97.7742, 0.3194, 0.3466)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(97.7742, 0.3194, 0.3466)

Conversions

Conversions Part 1

Format	Color
Hex	F9FFED
RGB	249, 255, 237
RGB Percent	98%, 100%, 93%
CMY	0.0236, 0.0000, 0.0707
CMYK	0.02, 0.00, 0.07, 0.00
HSL	80°, 100%, 96%
HSV	80°, 7%, 100%
XYZ	90.1012, 97.7742, 94.2198
YIQ	251.1540, 2.2020, -6.8700

Conversions

Conversions Part 2

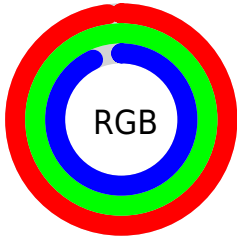
Format	Color
R_{YB}	237, 255, 243
Decimal	16383981
CIE Lab	99.13, -5.09, 7.92
CIE LCh	99, 9.414, 122.730
Yxy	97.7742, 0.3194, 0.3466
Android (android.graphics.Color)	4294574061 (0xFFFF9FFED)
YUV	251.1540, -6.9779, -1.8891
Hunter-Lab	98.8808, -10.3905, 12.7214

Details

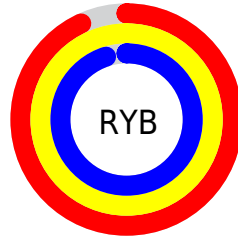
The Yxy color 97.7742, 0.3194, 0.3466 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 86.8255, 0.3057, 0.3112, and the grayscale version is 96.6504, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 55.0618, 0.3213, 0.3501 is the 20% darker color. If you saturate the color by 10%, you get 94.8498, 0.3289, 0.3729, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

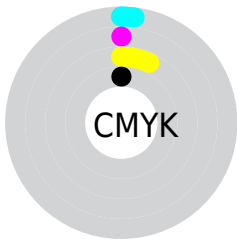
Distribution



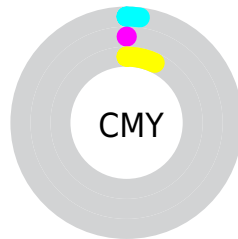
- Red (98%)
- Green (100%)
- Blue (93%)



- Red (93%)
- Yellow (100%)
- Blue (95%)



- Cyan (2%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (2%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 97.7742, 0.3194, 0.3466 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 97.7742, 0.3194, 0.3466 by changing the saturation by 10% instead.


 97.7742, 0.3194,
0.3466

 97.7742, 0.3194,
0.3466


553.0087, 0.3165,
0.3388

 74.4461, 0.3200,
0.3483

158.0918, 0.3184,
0.3440

 55.1592, 0.3208,
0.3504


195.8500, 0.3180,
0.3429

 39.5292, 0.3217,
0.3529

239.1871, 0.3177,
0.3420

 27.1717, 0.3228,
0.3562

288.4874, 0.3174,
0.3412

 17.7022, 0.3243,
0.3605

344.1353, 0.3171,
0.3405

 10.7364, 0.3263,
0.3664

406.5152, 0.3169,

 5.8899, 0.3291,

0.3399

0.3750

476.0115, 0.3167,
0.3393

■ 2.7782, 0.3334,
0.3887

■ 1.0171, 0.3485,
0.4236

■ 97.7742, 0.3194,
0.3466

■ 97.7742, 0.3194,
0.3466

■ 94.8498, 0.3289,
0.3729

100.0000, 0.3127,
0.3290

■ 92.2058, 0.3383,
0.4005

■ 89.8245, 0.3470,
0.4288

■ 87.6947, 0.3547,
0.4566

■ 85.8042, 0.3607,
0.4829

■ 84.1394, 0.3647,
0.5064

■ 82.6852, 0.3662,
0.5258

■ 81.4238, 0.3652,
0.5403

■ 80.3328, 0.3618,
0.5497

Harmonies

Analogous

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



97.7742, 0.3281, 0.3461



97.7742, 0.3194, 0.3466



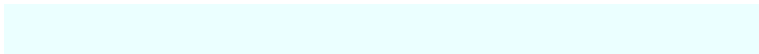
97.7742, 0.3090, 0.3422

Triad

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



97.7742, 0.3194, 0.3466



97.7742, 0.2932, 0.3166



97.7742, 0.3257, 0.3239

Complementary

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



97.7742, 0.3194, 0.3466



86.8255, 0.3057, 0.3112

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.



97.7742, 0.3162, 0.3164



97.7742, 0.3194, 0.3466



97.7742, 0.2975, 0.3121

Square

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



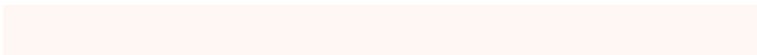
97.7742, 0.3194, 0.3466



97.7742, 0.2940, 0.3246



97.7742, 0.3058, 0.3121



97.7742, 0.3318, 0.3329

Rectangle

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



97.7742, 0.3194, 0.3466



97.7742, 0.3026, 0.3370



97.7742, 0.3058, 0.3121



97.7742, 0.3228, 0.3212

Sweetspot

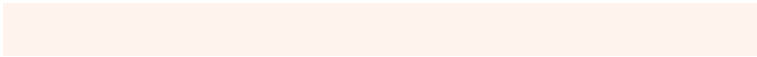
The Sweet Spot groups the original color and five complimentary colors.



97.7671, 0.3194, 0.3466



99.3538, 0.3146, 0.3339



91.4619, 0.3243, 0.3349



21.2726, 0.3145, 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.



97.7671, 0.3194, 0.3466



97.4841, 0.3203, 0.3490



96.1536, 0.3137, 0.3469



20.7687, 0.3217, 0.3528



41.9056, 0.3615, 0.5512



4.1401, 0.3681, 0.5459

Inverse Universe

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



86.8255, 0.3057, 0.3112



85.1829, 0.3047, 0.3088



88.4655, 0.3116, 0.3115



17.6728, 0.3031, 0.3048



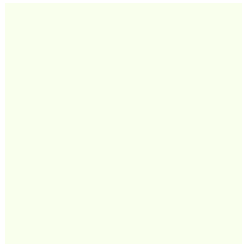
4.8610, 0.1744, 0.0735



0.5302, 0.1866, 0.0802

Previews

White Background



This preview shows how the Yxy color 97.7742, 0.3194, 0.3466 looks on a white background.

Color Contrast Check

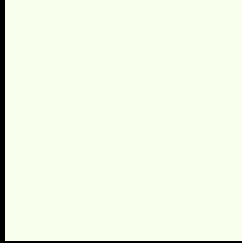
Large Text (above 18pt) WCAG AA × Fail

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 97.7742, 0.3194, 0.3466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

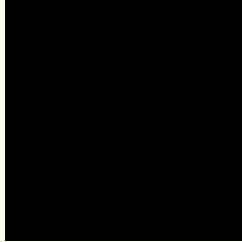
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 97.7742, 0.3194, 0.3466

Background



This preview shows how black text looks on a background with the Yxy color 97.7742, 0.3194, 0.3466.



This preview shows how white text looks on a background with the Yxy color 97.7742, 0.3194, 0.3466.

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

A vertical bar on the left side of the page is divided into three colored sections: a light green top section, a light orange middle section, and a light yellow bottom section. To the right of these sections are three rows of text, each corresponding to a color vision condition. The text is right-aligned relative to the bar.

Original Color

97.7742, 0.3194, 0.3466

Protanopia

97.5962, 0.3175, 0.3338

Deuteranopia

97.8458, 0.3152, 0.3300

Tritanopia

97.7235, 0.3116, 0.3261

Trichromacy



Original Color

97.7742, 0.3194, 0.3466

Protanomaly

97.6043, 0.3186, 0.3387

Deuteranomaly

97.7870, 0.3168, 0.3357

Tritanomaly

97.7233, 0.3150, 0.3338

Monochromacy



Original Color

97.7742, 0.3194, 0.3466

Achromatopsia

96.4686, 0.3127, 0.3290

Achromatomaly

96.5986, 0.3150, 0.3348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 97.7742, 0.3194, 0.3466 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(249, 255, 237)` looks like.

```
.text, #text, p{  
    color:rgb(249, 255, 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(249, 255, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 255, 237) }
```

Border

The CSS property to change the border of an element to Yxy 97.7742, 0.3194, 0.3466 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(249, 255, 237) }
```

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

```
.border{ border-color:rgb(249, 255, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 255, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 255, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 255, 237);  
box-shadow:4px 4px 4px 4px rgb(249, 255,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 97.7742, 0.3194, 0.3466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 255, 237) }
```

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

```
.background{ background-color: rgb(249,  
255, 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