

Converting Colors

Yxy(96.6057, 0.3146, 0.3459)

Have a look what the booklet for
Yxy(96.6057, 0.3146, 0.3459)
contains.

Yxy(96.5703, 0.3144, 0.3458)	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(96.5703, 0.3144, 0.3458)

Conversions

Conversions Part 1

Format	Color
Hex	F2FFEE
RGB	242, 255, 238
RGB Percent	95%, 100%, 93%
CMY	0.0511, 0.0000, 0.0667
CMYK	0.05, 0.00, 0.07, 0.00
HSL	106°, 100%, 97%
HSV	106°, 7%, 100%
XYZ	87.8013, 96.5703, 94.8947
YIQ	249.1750, -2.2910, -8.0430

Conversions

Conversions Part 2

Format	Color
R_{YB}	238, 255, 251
Decimal	15925230
CIE Lab	98.66, -7.26, 6.65
CIE LCh	99, 9.843, 137.523
Yxy	96.5703, 0.3144, 0.3458
Android (android.graphics.Color)	4294115310 (0xFF2FFEE)
YUV	249.1750, -5.5093, -6.2925
Hunter-Lab	98.2702, -12.4887, 11.5357

Details

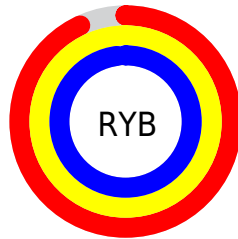
The Yxy color 96.5703, 0.3144, 0.3458 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.8790, 0.3109, 0.3125, and the grayscale version is 94.9209, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.2047, 0.3149, 0.3492 is the 20% darker color. If you saturate the color by 10%, you get 91.8961, 0.3168, 0.3734, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

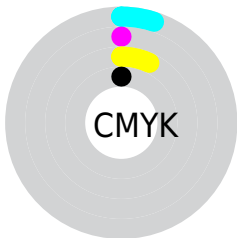
Distribution



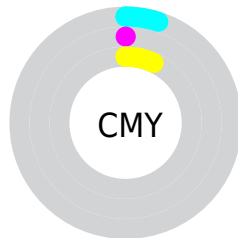
- Red (95%)
- Green (100%)
- Blue (93%)



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



- Cyan (5%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (5%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 96.5703, 0.3144, 0.3458 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 96.5703, 0.3144, 0.3458 by changing the saturation by 10% instead.


 96.5703, 0.3144,
0.3458

 96.5703, 0.3144,
0.3458


549.1800, 0.3137,
0.3383

 73.4426, 0.3145,
0.3474


156.4323, 0.3142,
0.3433

 54.3380, 0.3147,
0.3494


193.9353, 0.3141,
0.3423

 38.8719, 0.3149,
0.3519


236.9990, 0.3140,
0.3414

 26.6601, 0.3152,
0.3551

286.0076, 0.3139,
0.3406

 17.3181, 0.3155,
0.3593

341.3457, 0.3139,
0.3400

 10.4616, 0.3158,
0.3650

403.3975, 0.3138,

 5.7060, 0.3163,

0.3394

0.3735

472.5475, 0.3138,
0.3388

■ 2.6672, 0.3169,
0.3872

■ 0.9606, 0.3228,
0.4225

■ 96.5703, 0.3144,
0.3458

■ 96.5703, 0.3144,
0.3458

■ 91.8961, 0.3168,
0.3734

100.0000, 0.3127,
0.3290

■ 87.7889, 0.3189,
0.4038

■ 84.2213, 0.3204,
0.4363

■ 81.1702, 0.3213,
0.4701

■ 78.6107, 0.3211,
0.5033

■ 76.5160, 0.3198,
0.5340

■ 74.8562, 0.3172,
0.5599

■ 73.5978, 0.3136,
0.5792

■ 72.7011, 0.3094,
0.5909

Harmonies

Analogous

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



96.5703, 0.3247, 0.3479



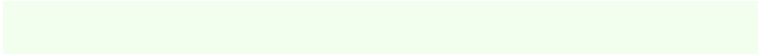
96.5703, 0.3144, 0.3458



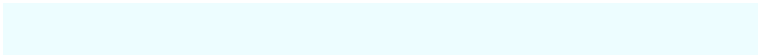
96.5703, 0.3037, 0.3390

Triad

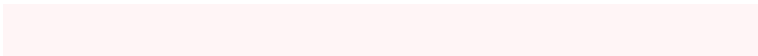
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



96.5703, 0.3144, 0.3458



96.5703, 0.2938, 0.3131



96.5703, 0.3301, 0.3283

Complementary

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



96.5703, 0.3144, 0.3458



88.8790, 0.3109, 0.3125

Split Complementary

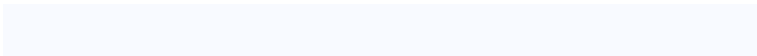
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.5703, 0.3216, 0.3194



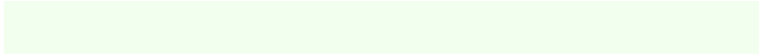
96.5703, 0.3144, 0.3458



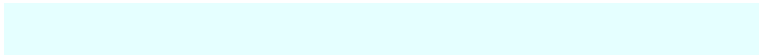
96.5703, 0.3006, 0.3106

Square

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



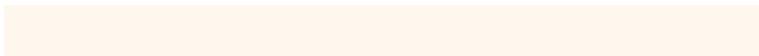
96.5703, 0.3144, 0.3458



96.5703, 0.2920, 0.3199



96.5703, 0.3108, 0.3130



96.5703, 0.3339, 0.3375

Rectangle

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



96.5703, 0.3144, 0.3458



96.5703, 0.2979, 0.3327



96.5703, 0.3108, 0.3130



96.5703, 0.3277, 0.3251

Sweetspot

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



96.5644, 0.3144, 0.3458



98.9422, 0.3132, 0.3339



96.2699, 0.3230, 0.3414



21.1888, 0.3132, 0.3337



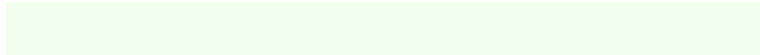
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



96.5644, 0.3144, 0.3458



95.9101, 0.3147, 0.3493



96.1215, 0.3095, 0.3416



20.3730, 0.3151, 0.3533



37.9221, 0.3089, 0.5929



3.7394, 0.3163, 0.5871

Inverse Universe

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



88.8790, 0.3109, 0.3125



86.7746, 0.3105, 0.3091



89.3544, 0.3161, 0.3167



18.0738, 0.3100, 0.3053



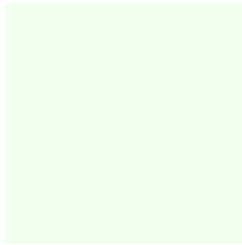
9.9332, 0.2622, 0.1218



1.0165, 0.2692, 0.1257

Previews

White Background



This preview shows how the Yxy color 96.5703, 0.3144, 0.3458 looks on a white background.

Color Contrast Check

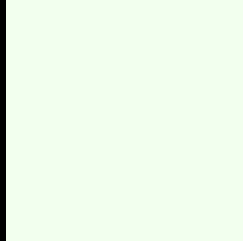
Large Text (above 18pt) WCAG AA × Fail

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 96.5703, 0.3144, 0.3458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

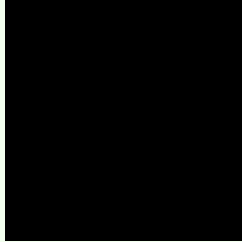
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

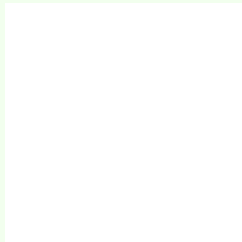
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 96.5703, 0.3144, 0.3458

Background



This preview shows how black text looks on a background with the Yxy color 96.5703, 0.3144, 0.3458.

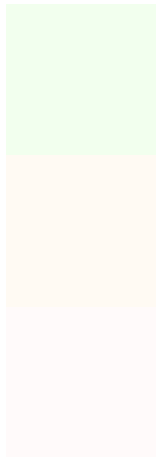


This preview shows how white text looks on a background with the Yxy color 96.5703, 0.3144, 0.3458.

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

96.5703, 0.3144, 0.3458

Protanopia

96.1023, 0.3200, 0.3358

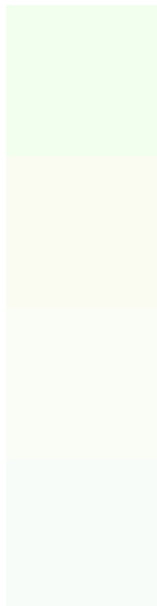
Deuteranopia

96.5333, 0.3159, 0.3290

Tritanopia

96.5384, 0.3098, 0.3252

Trichromacy



Original Color

96.5703, 0.3144, 0.3458

Protanomaly

96.2957, 0.3179, 0.3397

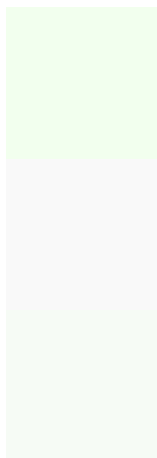
Deuteranomaly

96.5986, 0.3150, 0.3348

Tritanomaly

96.2345, 0.3113, 0.3319

Monochromacy



Original Color

96.5703, 0.3144, 0.3458

Achromatopsia

94.7307, 0.3127, 0.3290

Achromatomaly

95.1798, 0.3131, 0.3349

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.5703, 0.3144, 0.3458 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(242, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 238)  
}
```

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(242, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 238) }
```

Border

The CSS property to change the border of an element to Yxy 96.5703, 0.3144, 0.3458 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(242, 255, 238) }
```

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

```
.border{ border-color:rgb(242, 255, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 255, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 96.5703, 0.3144, 0.3458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 238) }
```

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

```
.background{ background-color: rgb(242,  
255, 238) }
```

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