

Converting Colors

$Y_{xy}(100.0000, 0.3218, 0.3767)$

Have a look what the booklet for
Yxy(100.0000, 0.3218, 0.3767)
contains.

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Color

Yxy(94.1400, 0.3228, 0.3687)

Conversions

Conversions Part 1

Format	Color
Hex	EBFFD8
RGB	235, 255, 216
RGB Percent	92%, 100%, 85%
CMY	0.0783, 0.0000, 0.1531
CMYK	0.08, 0.00, 0.15, 0.00
HSL	91°, 100%, 92%
HSV	91°, 15%, 100%
XYZ	82.4204, 94.1400, 78.7692
YIQ	244.5740, 0.5990, -16.3690

Conversions

Conversions Part 2

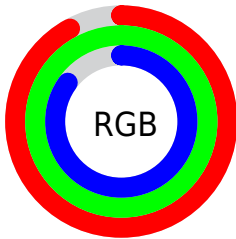
Format	Color
RYB	216, 255, 236
Decimal	15466456
CIELab	97.69, -13.24, 16.47
CIELCh	98, 21.133, 128.782
Yxy	94.1400, 0.3228, 0.3687
Android (android.graphics.Color)	4293656536 (0xFFEBFFD8)
YUV	244.5740, -14.0870, -8.3964
Hunter-Lab	97.0258, -18.1649, 19.7842

Details

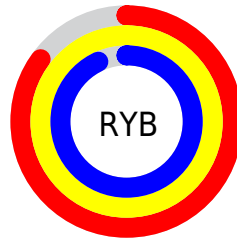
The Yxy color **94.1400, 0.3228, 0.3687** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **74.1363, 0.3013, 0.2894**, and the grayscale version is **91.0704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.5451, 0.3247, 0.3774** is the 20% darker color. If you saturate the color by 10%, you get **90.7863, 0.3291, 0.3972**, and if you desaturate by 10%, it is **97.8693, 0.3162, 0.3422**.

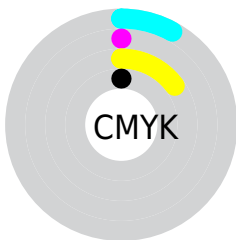
Distribution



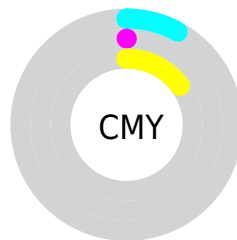
- Red (92%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (93%)



- Cyan (8%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (8%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 94.1400, 0.3228, 0.3687 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 94.1400, 0.3228, 0.3687 by changing the saturation by 10% instead.


 94.1400, 0.3228,
0.3687

 94.1400, 0.3228,
0.3687


541.4081, 0.3186,
0.3508

 71.4194, 0.3237,
0.3727

153.0759, 0.3214,
0.3626

 52.6845, 0.3247,
0.3776


190.0601, 0.3208,
0.3602

 37.5510, 0.3260,
0.3837


232.5675, 0.3203,
0.3581

 25.6344, 0.3275,
0.3915

280.9827, 0.3199,
0.3562

 16.5503, 0.3294,
0.4019

335.6899, 0.3195,
0.3546

 9.9144, 0.3317,
0.4164

397.0736, 0.3192,

 5.3422, 0.3345,

0.3532

0.4380

465.5182, 0.3188,
0.3519

■ 2.4494, 0.3375,
0.4731

■ 0.8512, 0.3634,
0.6366

■ 94.1400, 0.3228,
0.3687

■ 94.1400, 0.3228,
0.3687

■ 90.7863, 0.3291,
0.3972

■ 97.8693, 0.3162,
0.3422

■ 87.7831, 0.3349,
0.4271

99.9997, 0.3127,
0.3290

■ 85.1207, 0.3397,
0.4576

■ 82.7845, 0.3431,
0.4873

■ 80.7582, 0.3447,
0.5147

■ 79.0240, 0.3441,
0.5382

■ 77.5617, 0.3412,
0.5565

■ 76.3469, 0.3364,
0.5689

■ 75.8475, 0.3337,
0.5732

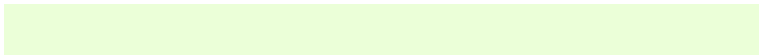
Harmonies

Analogous

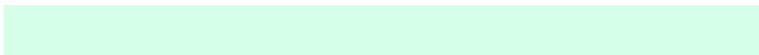
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.1400, 0.3441, 0.3692



94.1400, 0.3228, 0.3687



94.1400, 0.2994, 0.3563

Triad

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



94.1400, 0.3228, 0.3687



94.1400, 0.2700, 0.2978



94.1400, 0.3460, 0.3212

Complementary

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



94.1400, 0.3228, 0.3687



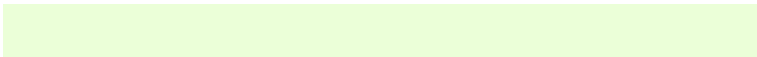
74.1363, 0.3013, 0.2894

Split Complementary

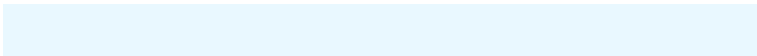
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.1400, 0.3251, 0.3038



94.1400, 0.3228, 0.3687



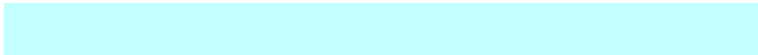
94.1400, 0.2814, 0.2903

Square

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



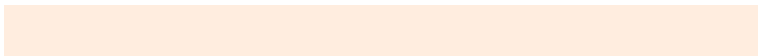
94.1400, 0.3228, 0.3687



94.1400, 0.2695, 0.3142



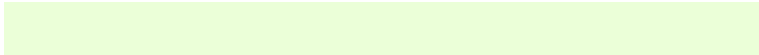
94.1400, 0.3013, 0.2927



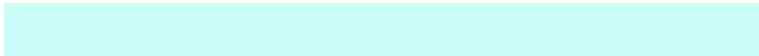
94.1400, 0.3579, 0.3410

Rectangle

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



94.1400, 0.3228, 0.3687



94.1400, 0.2858, 0.3432



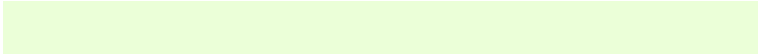
94.1400, 0.3013, 0.2927



94.1400, 0.3398, 0.3149

Sweetspot

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



94.1441, 0.3228, 0.3687



97.9899, 0.3160, 0.3414



85.9100, 0.3386, 0.3485



20.9150, 0.3165, 0.3432



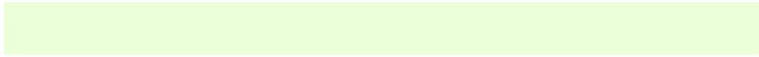
0.0000, 0.0000, 0.0000



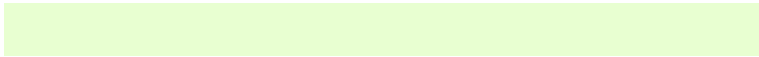
21.4041, 0.3127, 0.3290

Same Dimension

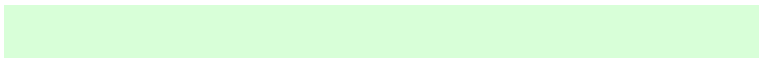
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.1441, 0.3228, 0.3687



93.2044, 0.3245, 0.3762



91.0699, 0.3108, 0.3702



20.6037, 0.3190, 0.3530



39.7203, 0.3349, 0.5723



3.9322, 0.3435, 0.5655

Inverse Universe

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



74.1363, 0.3013, 0.2894



70.1226, 0.2989, 0.2820



77.5750, 0.3145, 0.2910



17.8345, 0.3059, 0.3050



6.3594, 0.2043, 0.0899



0.6842, 0.2165, 0.0966

Previews

White Background



This preview shows how the Yxy color 94.1400, 0.3228, 0.3687 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 94.1400, 0.3228, 0.3687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

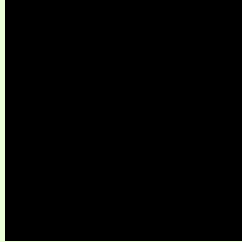
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

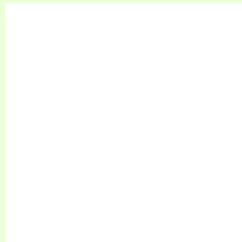
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 94.1400, 0.3228, 0.3687

Background



This preview shows how black text looks on a background with the Yxy color 94.1400, 0.3228, 0.3687.

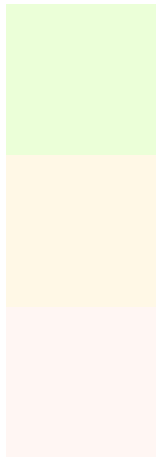


This preview shows how white text looks on a background with the Yxy color 94.1400, 0.3228, 0.3687.

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

94.1400, 0.3228, 0.3687

Protanopia

94.1080, 0.3281, 0.3466

Deuteranopia

93.6426, 0.3203, 0.3319

Tritanopia

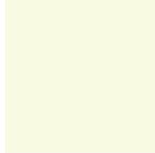
93.9476, 0.3074, 0.3222

Trichromacy



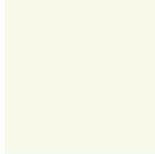
Original Color

94.1400, 0.3228, 0.3687



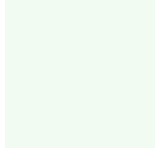
Protanomaly

94.3871, 0.3262, 0.3548



Deuteranomaly

93.5910, 0.3216, 0.3448



Tritanomaly

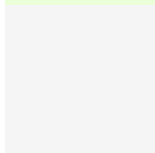
94.2225, 0.3129, 0.3389

Monochromacy



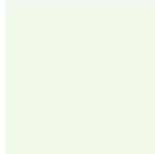
Original Color

94.1400, 0.3228, 0.3687



Achromatopsia

91.3099, 0.3127, 0.3290



Achromatomaly

92.3926, 0.3165, 0.3440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 94.1400, 0.3228, 0.3687 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(235, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(235, 255, 216)  
}
```

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(235, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 216) }
```

Border

The CSS property to change the border of an element to Yxy 94.1400, 0.3228, 0.3687 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(235, 255, 216) }
```

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

```
.border{ border-color:rgb(235, 255, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 255, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 94.1400, 0.3228, 0.3687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 255, 216) }
```

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

```
.background{ background-color: rgb(235,  
255, 216) }
```

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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