

Converting Colors

$Y_{xy}(92.7792, 0.3176, 0.3694)$

Have a look what the booklet for
Yxy(92.7792, 0.3176, 0.3694)
contains.

Yxy(92.8088, 0.3177, 0.3693)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(92.8088, 0.3177, 0.3693)

Conversions

Conversions Part 1

Format	Color
Hex	E3FFD8
RGB	227, 255, 216
RGB Percent	89%, 100%, 85%
CMY	0.1096, 0.0000, 0.1530
CMYK	0.11, 0.00, 0.15, 0.00
HSL	103°, 100%, 92%
HSV	103°, 15%, 100%
XYZ	79.8412, 92.8088, 78.6600
YIQ	242.1820, -4.1690, -18.0650

Conversions

Conversions Part 2

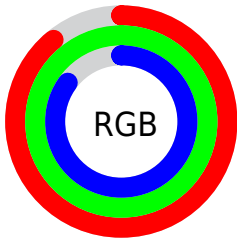
Format	Color
R _Y B	216, 255, 244
Decimal	14942168
CIE Lab	97.15, -15.94, 15.63
CIE LCh	97, 22.325, 135.569
Yxy	92.8088, 0.3177, 0.3693
Android (android.graphics.Color)	4293132248 (0xFFE3FFD8)
YUV	242.1820, -12.9077, -13.3146
Hunter-Lab	96.3373, -20.6554, 19.0255

Details

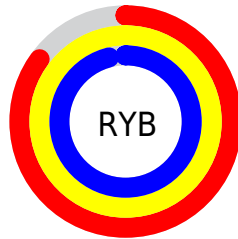
The Yxy color **92.8088, 0.3177, 0.3693** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75.5460, 0.3068, 0.2901**, and the grayscale version is **89.0582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.6193, 0.3183, 0.3783** is the 20% darker color. If you saturate the color by 10%, you get **88.7787, 0.3206, 0.3990**, and if you desaturate by 10%, it is **97.3669, 0.3145, 0.3422**.

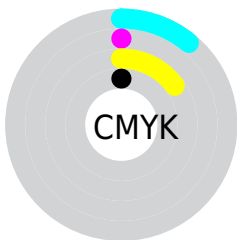
Distribution



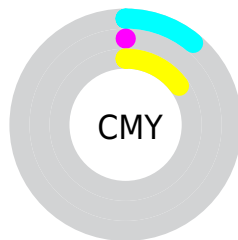
- Red (89%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (96%)



- Cyan (11%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 92.8088, 0.3177, 0.3693 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 92.8088, 0.3177, 0.3693 by changing the saturation by 10% instead.


 92.8088, 0.3177,
0.3693

 92.8088, 0.3177,
0.3693


537.1260, 0.3157,
0.3510

 70.3126, 0.3181,
0.3734

151.2339, 0.3171,
0.3630

 51.7814, 0.3185,
0.3784


187.9315, 0.3168,
0.3606

 36.8309, 0.3190,
0.3847


230.1318, 0.3166,
0.3584

 25.0766, 0.3196,
0.3928

278.2191, 0.3164,
0.3566

 16.1341, 0.3202,
0.4037

332.5777, 0.3162,
0.3549

 9.6191, 0.3207,
0.4190

393.5922, 0.3160,

 5.1472, 0.3210,

0.3535

0.4419

461.6468, 0.3159,
0.3522

■ 2.3339, 0.3198,
0.4798

■ 0.7915, 0.3145,
0.6855

■ 92.8088, 0.3177,
0.3693

■ 92.8088, 0.3177,
0.3693

■ 88.7787, 0.3206,
0.3990

■ 97.3669, 0.3145,
0.3422

■ 85.2455, 0.3230,
0.4309

99.9979, 0.3127,
0.3290

■ 82.1926, 0.3247,
0.4640

■ 79.5981, 0.3252,
0.4967

■ 77.4383, 0.3244,
0.5273

■ 75.6871, 0.3222,
0.5536

■ 74.3150, 0.3185,
0.5737

■ 73.2879, 0.3139,
0.5867

■ 72.9063, 0.3116,
0.5908

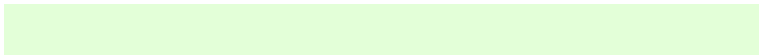
Harmonies

Analogous

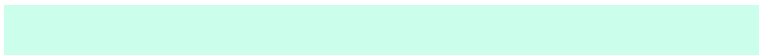
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.8088, 0.3414, 0.3727



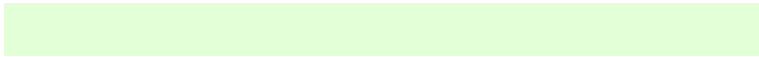
92.8088, 0.3177, 0.3693



92.8088, 0.2934, 0.3536

Triad

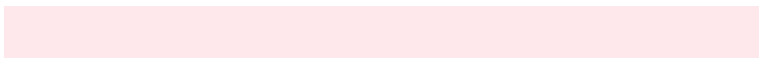
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



92.8088, 0.3177, 0.3693



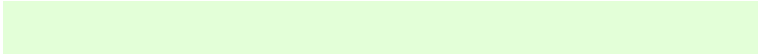
92.8088, 0.2692, 0.2932



92.8088, 0.3520, 0.3254

Complementary

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



92.8088, 0.3177, 0.3693



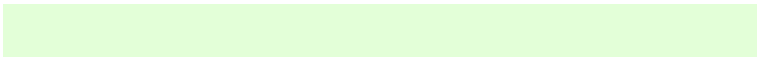
75.5460, 0.3068, 0.2901

Split Complementary

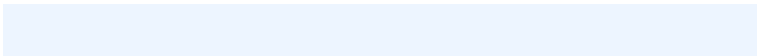
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.8088, 0.3313, 0.3061



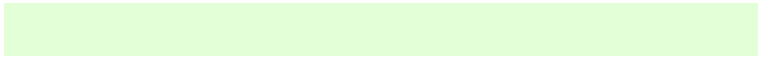
92.8088, 0.3177, 0.3693



92.8088, 0.2836, 0.2877

Square

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



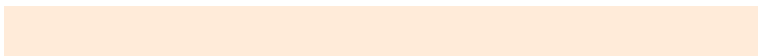
92.8088, 0.3177, 0.3693



92.8088, 0.2660, 0.3086



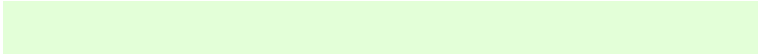
92.8088, 0.3062, 0.2925



92.8088, 0.3618, 0.3463

Rectangle

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



92.8088, 0.3177, 0.3693



92.8088, 0.2800, 0.3388



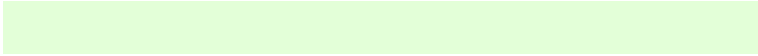
92.8088, 0.3062, 0.2925



92.8088, 0.3461, 0.3185

Sweetspot

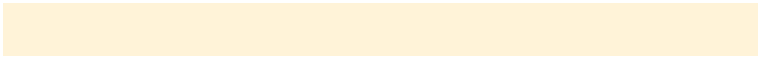
The Sweet Spot groups the original color and five complimentary colors.



92.8128, 0.3177, 0.3693



97.5141, 0.3144, 0.3414



90.4933, 0.3375, 0.3560



20.7996, 0.3146, 0.3433



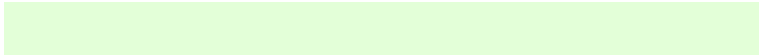
0.0000, 0.0000, 0.0000



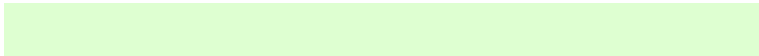
21.4041, 0.3127, 0.3290

Same Dimension

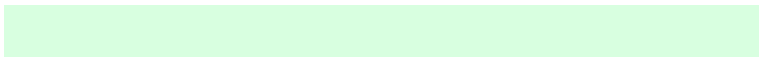
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.8128, 0.3177, 0.3693



91.6754, 0.3185, 0.3771



91.4848, 0.3064, 0.3617



20.4174, 0.3159, 0.3533



38.1608, 0.3126, 0.5900



3.7679, 0.3206, 0.5836

Inverse Universe

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



75.5460, 0.3068, 0.2901



71.7455, 0.3055, 0.2829



77.0908, 0.3197, 0.2984



18.0265, 0.3092, 0.3053



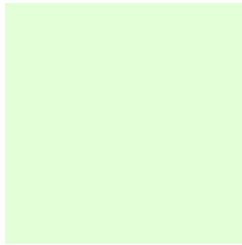
9.0944, 0.2501, 0.1151



0.9408, 0.2584, 0.1197

Previews

White Background



This preview shows how the Yxy color 92.8088, 0.3177, 0.3693 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 92.8088, 0.3177, 0.3693 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

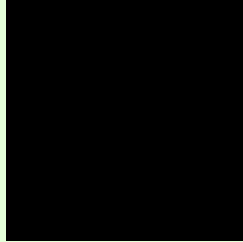
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

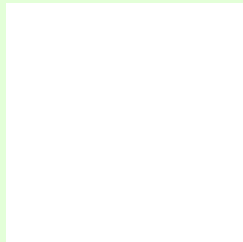
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 92.8088, 0.3177, 0.3693

Background



This preview shows how black text looks on a background with the Yxy color 92.8088, 0.3177, 0.3693.

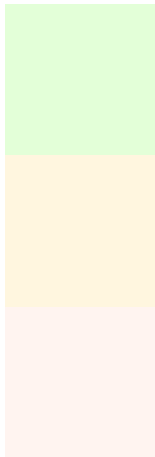


This preview shows how white text looks on a background with the Yxy color 92.8088, 0.3177, 0.3693.

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

92.8088, 0.3177, 0.3693

Protanopia

92.4992, 0.3327, 0.3516

Deuteranopia

92.2526, 0.3223, 0.3329

Tritanopia

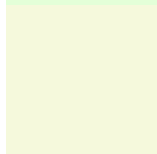
92.6188, 0.3049, 0.3211

Trichromacy



Original Color

92.8088, 0.3177, 0.3693



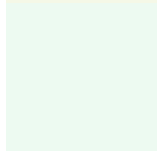
Protanomaly

92.3311, 0.3275, 0.3581



Deuteranomaly

92.3168, 0.3209, 0.3459



Tritanomaly

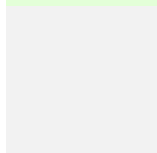
92.7266, 0.3098, 0.3380

Monochromacy



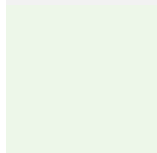
Original Color

92.8088, 0.3177, 0.3693



Achromatopsia

88.7923, 0.3127, 0.3290



Achromatomaly

90.4092, 0.3146, 0.3431

CSS Examples

Text

The CSS property to change the color of the text to Yxy 92.8088, 0.3177, 0.3693 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(227, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(227, 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(227, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 216) }
```

Border

The CSS property to change the border of an element to Yxy 92.8088, 0.3177, 0.3693 is called "border". The border property can be set on classes, ids or directly on the HTML element.

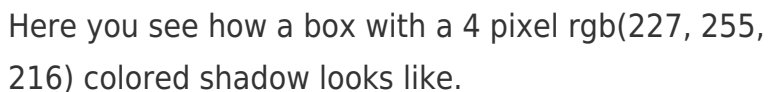
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(227, 255, 216) }
```

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

```
.border{ border-color:rgb(227, 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(227, 255, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 255, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 255, 216); box-shadow:4px 4px 4px 4px rgb(227, 255, 216) }
```


Background

The CSS property to change the background color of an element to Yxy 92.8088, 0.3177, 0.3693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 255, 216) }
```

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

```
.background{ background-color: rgb(227,  
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](#).

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