

Converting Colors

$Y_{xy}(138.8955, 0.3137, 0.4216)$

Have a look what the booklet for
Yxy(138.8955, 0.3137, 0.4216)
contains.

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Color

Yxy(93.0237, 0.3177, 0.3682)

Conversions

Conversions Part 1

Format	Color
Hex	E4FFD9
RGB	228, 255, 217
RGB Percent	89%, 100%, 85%
CMY	0.1061, 0.0000, 0.1491
CMYK	0.11, 0.00, 0.15, 0.00
HSL	103°, 100%, 93%
HSV	103°, 15%, 100%
XYZ	80.2652, 93.0237, 79.3556
YIQ	242.5950, -3.8940, -17.5420

Conversions

Conversions Part 2

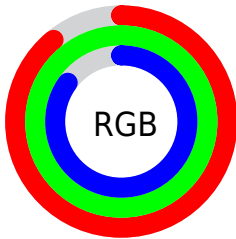
Format	Color
R _Y B	217, 255, 244
Decimal	15007705
CIE Lab	97.24, -15.49, 15.25
CIE LCh	97, 21.735, 135.435
Yxy	93.0237, 0.3177, 0.3682
Android (android.graphics.Color)	4293197785 (0xFFE4FFD9)
YUV	242.5950, -12.6183, -12.7998
Hunter-Lab	96.4488, -20.2368, 18.7318

Details

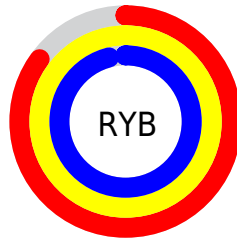
The Yxy color **93.0237, 0.3177, 0.3682** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.0738, 0.3068, 0.2911**, and the grayscale version is **89.3787, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.7675, 0.3183, 0.3769** is the 20% darker color. If you saturate the color by 10%, you get **88.9764, 0.3207, 0.3978**, and if you desaturate by 10%, it is **97.5693, 0.3144, 0.3412**.

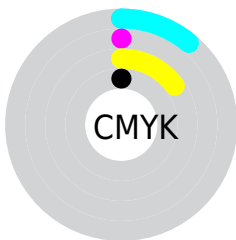
Distribution



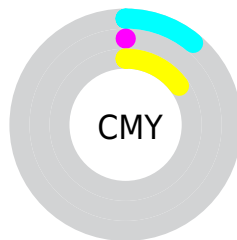
- Red (89%)
- Green (100%)
- Blue (85%)



- 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 93.0237, 0.3177, 0.3682 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 93.0237, 0.3177, 0.3682 by changing the saturation by 10% instead.


 93.0237, 0.3177,
0.3682

 93.0237, 0.3177,
0.3682


537.8185, 0.3157,
0.3504

 70.4912, 0.3181,
0.3722

151.5314, 0.3171,
0.3621

 51.9271, 0.3185,
0.3770

188.2754, 0.3168,
0.3597

 36.9470, 0.3190,
0.3832


230.5254, 0.3166,
0.3576

 25.1664, 0.3196,
0.3910

278.6657, 0.3164,
0.3558

 16.2011, 0.3202,
0.4016

333.0808, 0.3162,
0.3542

 9.6666, 0.3209,
0.4163

394.1551, 0.3160,

 5.1784, 0.3213,

0.3528

0.4385

462.2728, 0.3159,
0.3516

■ 2.3523, 0.3204,
0.4751

■ 0.8012, 0.3237,
0.6763

■ 93.0237, 0.3177,
0.3682

■ 93.0237, 0.3177,
0.3682

■ 88.9764, 0.3207,
0.3978

■ 97.5693, 0.3144,
0.3412

■ 85.4355, 0.3233,
0.4295

100.0000, 0.3127,
0.3290

■ 82.3719, 0.3250,
0.4625

■ 79.7639, 0.3256,
0.4953

■ 77.5882, 0.3249,
0.5259

■ 75.8190, 0.3228,
0.5523

■ 74.4273, 0.3192,
0.5727

■ 73.3797, 0.3145,
0.5860

■ 72.9593, 0.3120,
0.5905

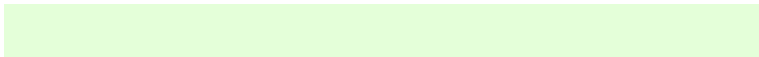
Harmonies

Analogous

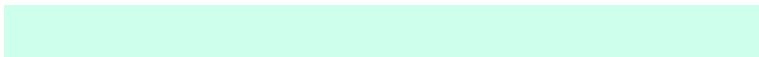
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.0237, 0.3407, 0.3715



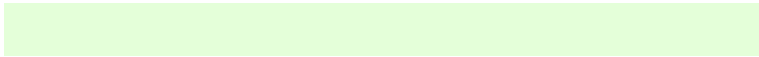
93.0237, 0.3177, 0.3682



93.0237, 0.2940, 0.3530

Triad

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



93.0237, 0.3177, 0.3682



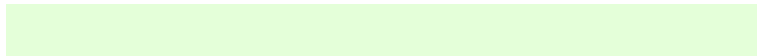
93.0237, 0.2703, 0.2942



93.0237, 0.3509, 0.3254

Complementary

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



93.0237, 0.3177, 0.3682



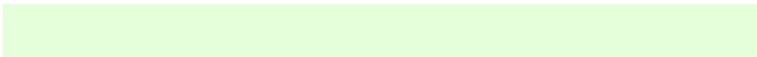
76.0738, 0.3068, 0.2911

Split Complementary

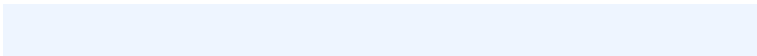
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.0237, 0.3307, 0.3066



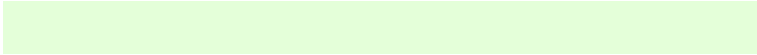
93.0237, 0.3177, 0.3682



93.0237, 0.2843, 0.2888

Square

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



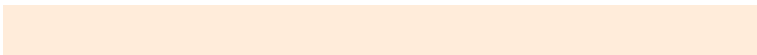
93.0237, 0.3177, 0.3682



93.0237, 0.2673, 0.3093



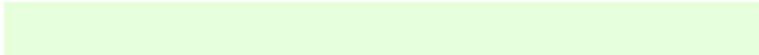
93.0237, 0.3063, 0.2934



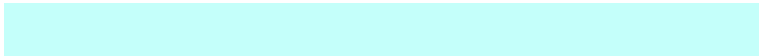
93.0237, 0.3604, 0.3458

Rectangle

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



93.0237, 0.3177, 0.3682



93.0237, 0.2809, 0.3386



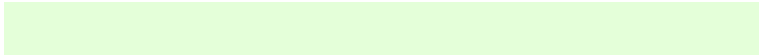
93.0237, 0.3063, 0.2934



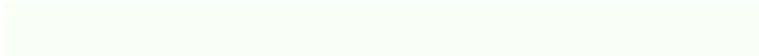
93.0237, 0.3451, 0.3187

Sweetspot

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



93.0147, 0.3177, 0.3682



98.0099, 0.3141, 0.3389



90.7260, 0.3368, 0.3553



20.9001, 0.3143, 0.3408



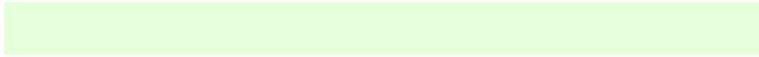
0.0000, 0.0000, 0.0000



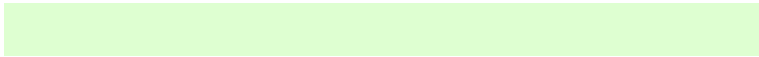
21.4041, 0.3127, 0.3290

Same Dimension

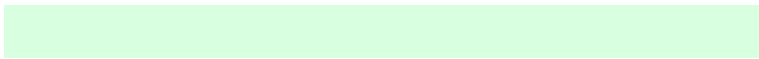
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.0147, 0.3177, 0.3682



91.7125, 0.3187, 0.3771



91.6822, 0.3066, 0.3608



20.4219, 0.3159, 0.3533



38.1882, 0.3130, 0.5897



3.7711, 0.3211, 0.5832

Inverse Universe

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



76.0738, 0.3068, 0.2911



71.7040, 0.3054, 0.2829



77.6153, 0.3195, 0.2992



18.0217, 0.3091, 0.3052



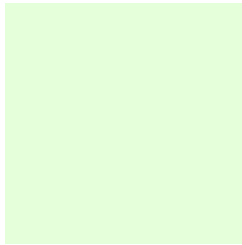
9.0122, 0.2488, 0.1144



0.9333, 0.2573, 0.1191

Previews

White Background



This preview shows how the Yxy color 93.0237, 0.3177, 0.3682 looks on a white background.

Color Contrast Check

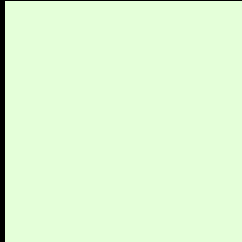
Large Text (above 18pt) WCAG AA × Fail

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 93.0237, 0.3177, 0.3682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

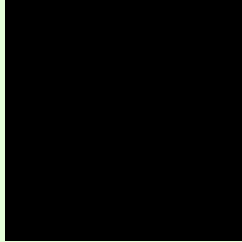
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

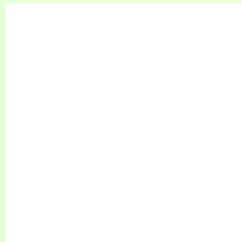
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 93.0237, 0.3177, 0.3682

Background



This preview shows how black text looks on a background with the Yxy color 93.0237, 0.3177, 0.3682.

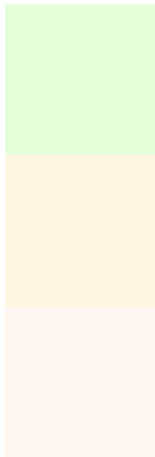


This preview shows how white text looks on a background with the Yxy color 93.0237, 0.3177, 0.3682.

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

93.0237, 0.3177, 0.3682

Protanopia

92.5534, 0.3320, 0.3506

Deuteranopia

92.9157, 0.3216, 0.3329

Tritanopia

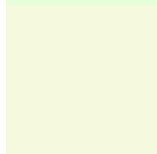
92.7962, 0.3055, 0.3212

Trichromacy



Original Color

93.0237, 0.3177, 0.3682



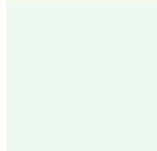
Protanomaly

92.3843, 0.3269, 0.3570



Deuteranomaly

92.9900, 0.3203, 0.3459



Tritanomaly

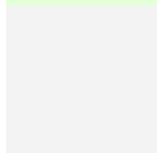
92.8992, 0.3104, 0.3380

Monochromacy



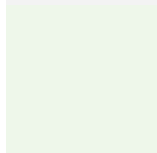
Original Color

93.0237, 0.3177, 0.3682



Achromatopsia

89.6269, 0.3127, 0.3290



Achromatomaly

90.6392, 0.3147, 0.3421

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.0237, 0.3177, 0.3682 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(228, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(228, 255, 217)  
}
```

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(228, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 255, 217) }
```

Border

The CSS property to change the border of an element to Yxy 93.0237, 0.3177, 0.3682 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(228, 255, 217) }
```

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

```
.border{ border-color:rgb(228, 255, 217) }
```

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

Here you see how a box with a 4 pixel rgb(228, 255, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(228, 255,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 93.0237, 0.3177, 0.3682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 255, 217) }
```

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

```
.background{ background-color: rgb(228,  
255, 217) }
```

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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