

Converting Colors

$Yxy(93.4073, 0.3107, 0.3564)$

Have a look what the booklet for
Yxy(93.4073, 0.3107, 0.3564)
contains.

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Color

Yxy(93.4523, 0.3108, 0.3566)

Conversions

Conversions Part 1

Format	Color
Hex	E3FFE4
RGB	227, 255, 228
RGB Percent	89%, 100%, 89%
CMY	0.1097, 0.0000, 0.1058
CMYK	0.11, 0.00, 0.11, 0.00
HSL	122°, 100%, 95%
HSV	122°, 11%, 100%
XYZ	81.4497, 93.4523, 87.1627
YIQ	243.5500, -8.0210, -14.3330

Conversions

Conversions Part 2

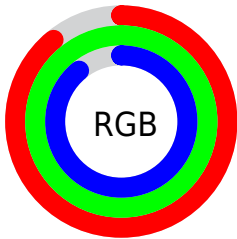
Format	Color
RYB	227, 254, 255
Decimal	14942180
CIELab	97.41, -13.92, 9.83
CIELCh	97, 17.042, 144.764
Yxy	93.4523, 0.3108, 0.3566
Android (android.graphics.Color)	4293132260 (0xFFE3FFE4)
YUV	243.5500, -7.6661, -14.5143
Hunter-Lab	96.6707, -18.7790, 14.2109

Details

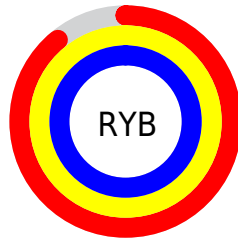
The Yxy color **93.4523, 0.3108, 0.3566** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **83.3650, 0.3146, 0.3029**, and the grayscale version is **90.1623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.0632, 0.3096, 0.3620** is the 20% darker color. If you saturate the color by 10%, you get **88.3419, 0.3089, 0.3853**, and if you desaturate by 10%, it is **99.3789, 0.3126, 0.3313**.

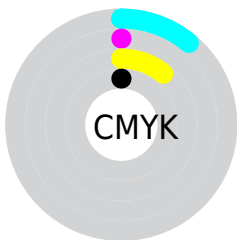
Distribution



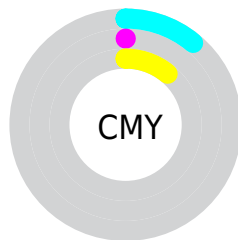
- Red (89%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (100%)



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





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 93.4523, 0.3108, 0.3566 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 93.4523, 0.3108, 0.3566 by changing the saturation by 10% instead.


 93.4523, 0.3108,
0.3566

 93.4523, 0.3108,
0.3566

539.1982, 0.3118,
0.3442

 70.8475, 0.3106,
0.3594


152.1247, 0.3112,
0.3523

 52.2178, 0.3103,
0.3628

188.9610, 0.3113,
0.3507

 37.1787, 0.3099,
0.3670


231.3100, 0.3114,
0.3492

 25.3459, 0.3093,
0.3725


279.5560, 0.3115,
0.3479

 16.3349, 0.3086,
0.3798

334.0834, 0.3116,
0.3468

 9.7615, 0.3074,
0.3900

395.2767, 0.3116,

 5.2411, 0.3055,

0.3458

0.4053

463.5202, 0.3117,
0.3449

■ 2.3894, 0.3018,
0.4307

■ 0.8204, 0.3001,
0.5595

■ 93.4523, 0.3108,
0.3566

■ 93.4523, 0.3108,
0.3566

■ 88.3419, 0.3089,
0.3853

■ 99.3789, 0.3126,
0.3313

■ 84.0006, 0.3069,
0.4172

■ 99.9989, 0.3127,
0.3290

■ 80.3950, 0.3049,
0.4516

■ 77.4841, 0.3031,
0.4869

■ 75.2233, 0.3014,
0.5211

■ 73.5627, 0.3003,
0.5515

■ 72.4451, 0.2996,
0.5755

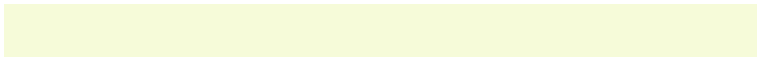
■ 71.8022, 0.2995,
0.5913

■ 71.5390, 0.2996,
0.5985

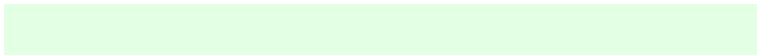
Harmonies

Analogous

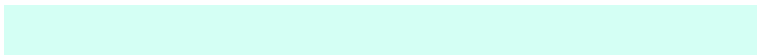
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.4523, 0.3295, 0.3624



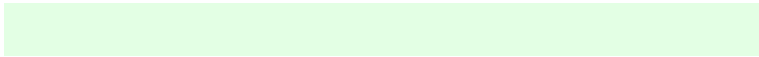
93.4523, 0.3108, 0.3566



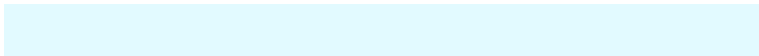
93.4523, 0.2930, 0.3427

Triad

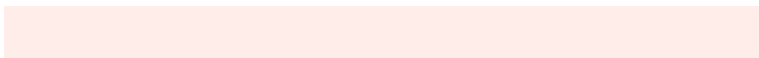
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



93.4523, 0.3108, 0.3566



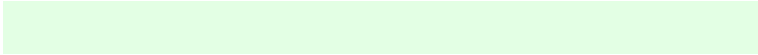
93.4523, 0.2819, 0.2995



93.4523, 0.3459, 0.3314

Complementary

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



93.4523, 0.3108, 0.3566



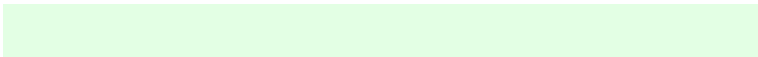
83.3650, 0.3146, 0.3029

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.



93.4523, 0.3324, 0.3157



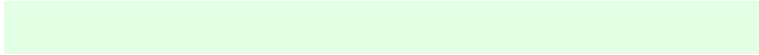
93.4523, 0.3108, 0.3566



93.4523, 0.2954, 0.2975

Square

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



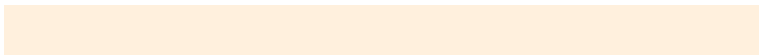
93.4523, 0.3108, 0.3566



93.4523, 0.2766, 0.3094



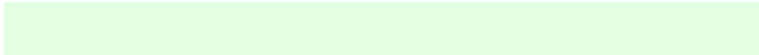
93.4523, 0.3138, 0.3034



93.4523, 0.3502, 0.3470

Rectangle

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



93.4523, 0.3108, 0.3566



93.4523, 0.2839, 0.3311



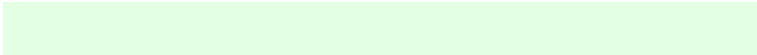
93.4523, 0.3138, 0.3034



93.4523, 0.3422, 0.3260

Sweetspot

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



93.4563, 0.3108, 0.3566



98.1119, 0.3122, 0.3361



98.1494, 0.3285, 0.3562



20.8947, 0.3121, 0.3381



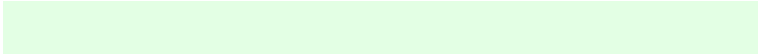
0.0000, 0.0000, 0.0000



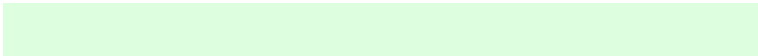
21.4041, 0.3127, 0.3290

Same Dimension

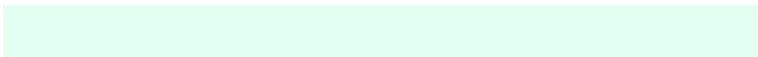
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.4563, 0.3108, 0.3566



92.3559, 0.3104, 0.3622



94.2607, 0.3030, 0.3422



20.1787, 0.3111, 0.3527



37.3858, 0.2994, 0.5978



3.6437, 0.2980, 0.5926

Inverse Universe

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



83.3650, 0.3146, 0.3029



80.5664, 0.3150, 0.2979



82.5056, 0.3237, 0.3162



18.2884, 0.3144, 0.3064



14.5852, 0.3301, 0.1592



1.4235, 0.3290, 0.1586

Previews

White Background



This preview shows how the Yxy color 93.4523, 0.3108, 0.3566 looks on a white background.

Color Contrast Check

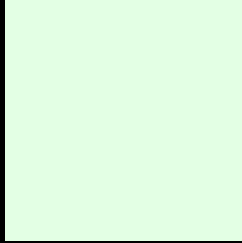
Large Text (above 18pt) WCAG AA × Fail

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 93.4523, 0.3108, 0.3566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

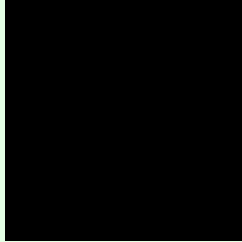
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

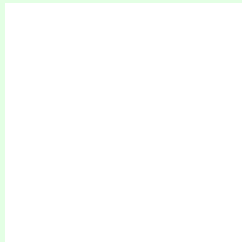
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 93.4523, 0.3108, 0.3566

Background



This preview shows how black text looks on a background with the Yxy color 93.4523, 0.3108, 0.3566.

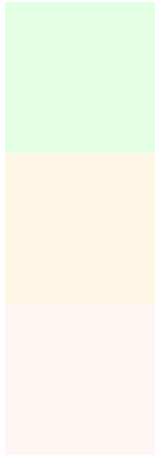


This preview shows how white text looks on a background with the Yxy color 93.4523, 0.3108, 0.3566.

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

93.4523, 0.3108, 0.3566

Protanopia

93.4387, 0.3288, 0.3466

Deuteranopia

93.0359, 0.3204, 0.3310

Tritanopia

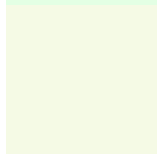
93.4095, 0.3055, 0.3221

Trichromacy



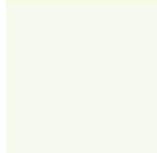
Original Color

93.4523, 0.3108, 0.3566



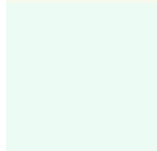
Protanomaly

93.4408, 0.3220, 0.3499



Deuteranomaly

93.3369, 0.3167, 0.3399



Tritanomaly

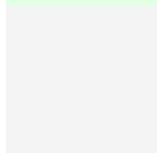
93.5915, 0.3074, 0.3350

Monochromacy



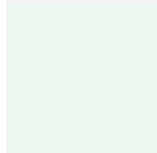
Original Color

93.4523, 0.3108, 0.3566



Achromatopsia

90.4661, 0.3127, 0.3290



Achromatomaly

91.4850, 0.3122, 0.3390

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.4523, 0.3108, 0.3566 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, 228)` looks like.

```
.text, #text, p{  
    color:rgb(227, 255, 228)  
}
```

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, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 228) }
```

Border

The CSS property to change the border of an element to Yxy 93.4523, 0.3108, 0.3566 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, 228) }
```

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

```
.border{ border-color:rgb(227, 255, 228) }
```

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, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 255, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 255, 228);  
box-shadow:4px 4px 4px 4px rgb(227, 255,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 93.4523, 0.3108, 0.3566 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, 228) }
```

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

```
.background{ background-color: rgb(227,  
255, 228) }
```

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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