

Converting Colors

$Yxy(99.8580, 0.3087, 0.3613)$

Have a look what the booklet for
Yxy(99.8580, 0.3087, 0.3613)
contains.

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Color

Yxy(93.8402, 0.3092, 0.3524)

Conversions

Conversions Part 1

Format	Color
Hex	E4FFE8
RGB	228, 255, 232
RGB Percent	89%, 100%, 91%
CMY	0.1056, 0.0000, 0.0902
CMYK	0.11, 0.00, 0.09, 0.00
HSL	129°, 100%, 95%
HSV	129°, 11%, 100%
XYZ	82.3365, 93.8402, 90.1122
YIQ	244.3050, -8.7090, -12.8770

Conversions

Conversions Part 2

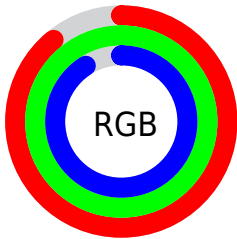
Format	Color
R _{YB}	228, 252, 255
Decimal	15007720
CIE Lab	97.57, -12.88, 8.03
CIE LCh	98, 15.177, 148.051
Yxy	93.8402, 0.3092, 0.3524
Android (android.graphics.Color)	4293197800 (0xFFE4FFE8)
YUV	244.3050, -6.0664, -14.2995
Hunter-Lab	96.8712, -17.8068, 12.6567

Details

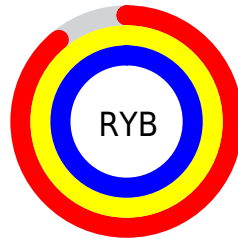
The Yxy color **93.8402, 0.3092, 0.3524** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83.7541, 0.3164, 0.3067**, and the grayscale version is **90.7899, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.2934, 0.3082, 0.3579** is the 20% darker color. If you saturate the color by 10%, you get **88.8129, 0.3058, 0.3776**, and if you desaturate by 10%, it is **99.6441, 0.3125, 0.3302**.

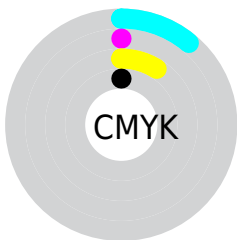
Distribution



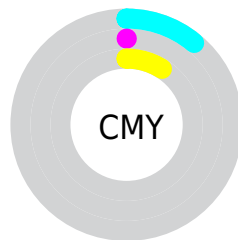
- Red (89%)
- Green (100%)
- Blue (91%)



- Red (89%)
- Yellow (99%)
- Blue (100%)



- Cyan (11%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.8402, 0.3092, 0.3524 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 93.8402, 0.3092, 0.3524 by changing the saturation by 10% instead.


 93.8402, 0.3092,
0.3524

 93.8402, 0.3092,
0.3524

540.4453, 0.3108,
0.3419

 71.1701, 0.3088,
0.3547

152.6613, 0.3098,
0.3488

 52.4810, 0.3084,
0.3576

189.5811, 0.3100,
0.3474

 37.3886, 0.3078,
0.3612


232.0195, 0.3102,
0.3462

 25.5085, 0.3070,
0.3657

280.3610, 0.3104,
0.3451

 16.4563, 0.3059,
0.3719

334.9899, 0.3105,
0.3441

 9.8476, 0.3044,
0.3804

396.2907, 0.3106,

 5.2980, 0.3019,

0.3433

0.3931

464.6477, 0.3107,
0.3426

■ 2.4232, 0.2977,
0.4142

■ 0.8378, 0.2885,
0.5015

■ 93.8402, 0.3092,
0.3524

■ 93.8402, 0.3092,
0.3524

■ 88.8129, 0.3058,
0.3776

99.6441, 0.3125,
0.3302

■ 84.5177, 0.3025,
0.4056

99.9923, 0.3127,
0.3290

■ 80.9239, 0.2994,
0.4361

■ 77.9939, 0.2969,
0.4680

■ 75.6868, 0.2950,
0.5000

■ 73.9568, 0.2941,
0.5302

■ 72.7518, 0.2943,
0.5565

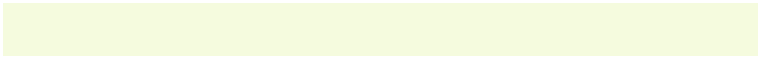
■ 72.0102, 0.2956,
0.5769

■ 71.6468, 0.2972,
0.5900

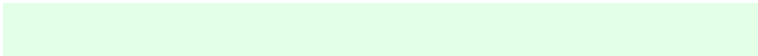
Harmonies

Analogous

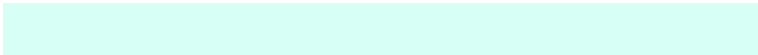
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.8402, 0.3260, 0.3584



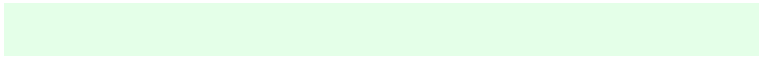
93.8402, 0.3092, 0.3524



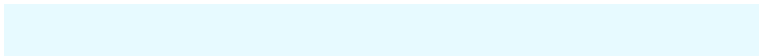
93.8402, 0.2937, 0.3396

Triad

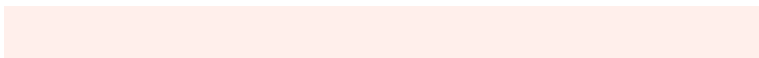
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



93.8402, 0.3092, 0.3524



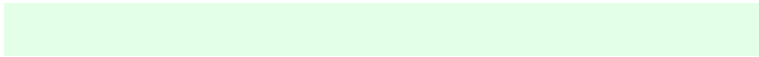
93.8402, 0.2863, 0.3022



93.8402, 0.3430, 0.3328

Complementary

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



93.8402, 0.3092, 0.3524



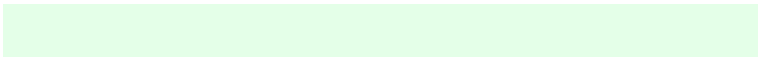
83.7541, 0.3164, 0.3067

Split Complementary

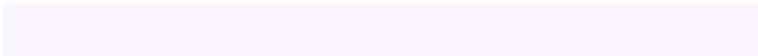
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.8402, 0.3318, 0.3186



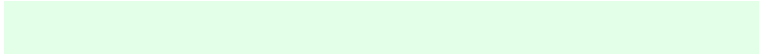
93.8402, 0.3092, 0.3524



93.8402, 0.2989, 0.3012

Square

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



93.8402, 0.3092, 0.3524



93.8402, 0.2807, 0.3103



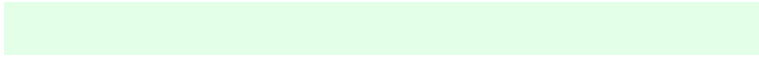
93.8402, 0.3156, 0.3071



93.8402, 0.3458, 0.3465

Rectangle

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



93.8402, 0.3092, 0.3524



93.8402, 0.2860, 0.3292



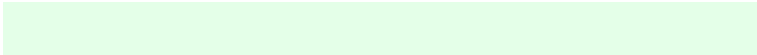
93.8402, 0.3156, 0.3071



93.8402, 0.3401, 0.3279

Sweetspot

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



93.8442, 0.3092, 0.3524



98.1640, 0.3117, 0.3353



97.7013, 0.3262, 0.3553



20.9087, 0.3115, 0.3371



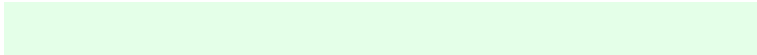
0.0000, 0.0000, 0.0000



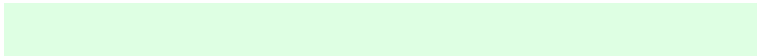
21.4041, 0.3127, 0.3290

Same Dimension

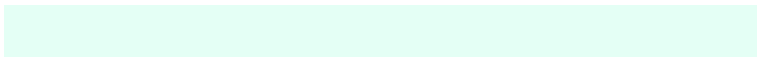
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.8442, 0.3092, 0.3524



92.5543, 0.3084, 0.3583



94.6181, 0.3018, 0.3389



20.2113, 0.3096, 0.3499



37.4539, 0.2967, 0.5882



3.6590, 0.2921, 0.5714

Inverse Universe

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



83.7541, 0.3164, 0.3067



80.3357, 0.3174, 0.3014



82.9545, 0.3250, 0.3193



18.2522, 0.3160, 0.3089



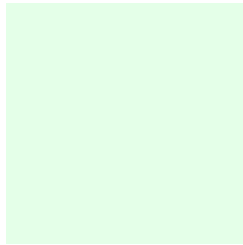
13.7669, 0.3616, 0.1766



1.3523, 0.3563, 0.1736

Previews

White Background



This preview shows how the Yxy color 93.8402, 0.3092, 0.3524 looks on a white background.

Color Contrast Check

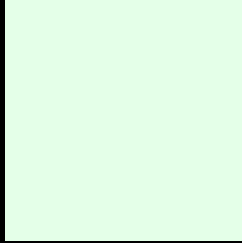
Large Text (above 18pt) WCAG AA × Fail

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 93.8402, 0.3092, 0.3524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

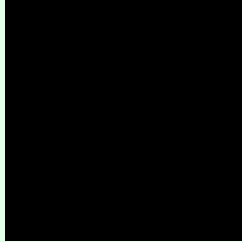
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

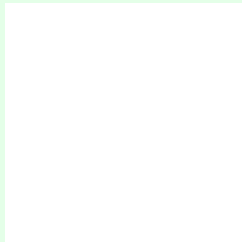
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 93.8402, 0.3092, 0.3524

Background



This preview shows how black text looks on a background with the Yxy color 93.8402, 0.3092, 0.3524.

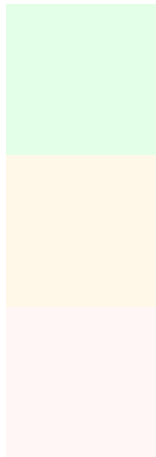


This preview shows how white text looks on a background with the Yxy color 93.8402, 0.3092, 0.3524.

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

93.8402, 0.3092, 0.3524

Protanopia

93.6077, 0.3270, 0.3437

Deuteranopia

93.7641, 0.3191, 0.3300

Tritanopia

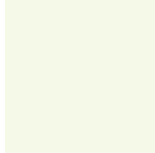
93.4095, 0.3055, 0.3221

Trichromacy



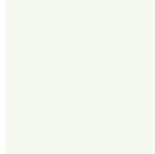
Original Color

93.8402, 0.3092, 0.3524



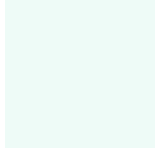
Protanomaly

93.6099, 0.3202, 0.3469



Deuteranomaly

93.4551, 0.3155, 0.3379



Tritanomaly

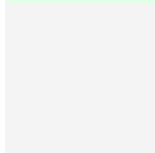
93.8869, 0.3069, 0.3329

Monochromacy



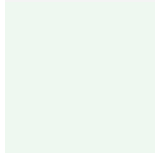
Original Color

93.8402, 0.3092, 0.3524



Achromatopsia

90.4661, 0.3127, 0.3290



Achromatomaly

91.6032, 0.3111, 0.3370

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.8402, 0.3092, 0.3524 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(228, 255, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 255, 232) }
```

Border

The CSS property to change the border of an element to Yxy 93.8402, 0.3092, 0.3524 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, 232) }
```

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

```
.border{ border-color:rgb(228, 255, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(228, 255,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 93.8402, 0.3092, 0.3524 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, 232) }
```

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

```
.background{ background-color: rgb(228,  
255, 232) }
```

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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