

Converting Colors

$Yxy(91.1334, 0.3092, 0.3484)$

Have a look what the booklet for
Yxy(91.1334, 0.3092, 0.3484)
contains.

Yxy(91.3145, 0.3093, 0.3484)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(91.3145, 0.3093, 0.3484)

Conversions

Conversions Part 1

Format	Color
Hex	E4FBE8
RGB	228, 251, 232
RGB Percent	89%, 98%, 91%
CMY	0.1058, 0.0157, 0.0901
CMYK	0.09, 0.00, 0.08, 0.02
HSL	130°, 74%, 94%
HSV	130°, 9%, 98%
XYZ	81.0665, 91.3145, 89.7157
YIQ	241.9570, -7.6090, -10.7850

Conversions

Conversions Part 2

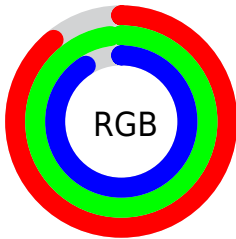
Format	Color
R _Y B	228, 248, 251
Decimal	15006696
CIE Lab	96.54, -10.91, 6.53
CIE LCh	97, 12.717, 149.081
Yxy	91.3145, 0.3093, 0.3484
Android (android.graphics.Color)	4293196776 (0xFFE4FBE8)
YUV	241.9570, -4.9088, -12.2403
Hunter-Lab	95.5586, -15.7983, 11.2263

Details

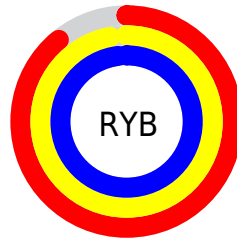
The Yxy color **91.3145, 0.3093, 0.3484** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.7256, 0.3163, 0.3103**, and the grayscale version is **88.8083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.6024, 0.3092, 0.3527** is the 20% darker color. If you saturate the color by 10%, you get **86.3967, 0.3055, 0.3723**, and if you desaturate by 10%, it is **96.9750, 0.3130, 0.3273**.

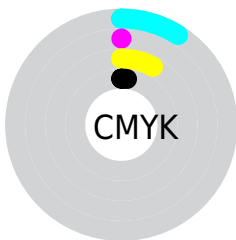
Distribution



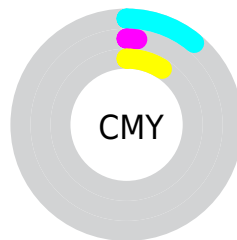
- Red (89%)
- Green (98%)
- Blue (91%)



- Red (89%)
- Yellow (97%)
- Blue (98%)



- Cyan (9%)
- Magenta (0%)
- Yellow (8%)
- Black (2%)





- Cyan (11%)
- Magenta (2%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.3145, 0.3093, 0.3484 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 91.3145, 0.3093, 0.3484 by changing the saturation by 10% instead.


 91.3145, 0.3093,
0.3484

 91.3145, 0.3093,
0.3484


532.2977, 0.3109,
0.3397

 69.0714, 0.3089,
0.3503


149.1630, 0.3098,
0.3454

 50.7699, 0.3085,
0.3527


185.5371, 0.3101,
0.3442

 36.0255, 0.3079,
0.3557


227.3904, 0.3102,
0.3432

 24.4539, 0.3072,
0.3595

275.1072, 0.3104,
0.3423

 15.6707, 0.3062,
0.3647

329.0719, 0.3105,
0.3415

 9.2914, 0.3048,
0.3718

389.6690, 0.3107,

 4.9317, 0.3025,

0.3408

457.2828, 0.3108,
0.3402

0.3826

■ 2.2073, 0.2986,
0.4006

■ 0.7240, 0.2855,
0.4901

■ 91.3145, 0.3093,
0.3484

■ 91.3145, 0.3093,
0.3484

■ 86.3967, 0.3055,
0.3723

■ 96.9750, 0.3130,
0.3273

■ 82.1795, 0.3018,
0.3990

■ 97.4722, 0.3129,
0.3252

■ 78.6344, 0.2984,
0.4281

■ 75.7262, 0.2956,
0.4589

■ 73.4166, 0.2935,
0.4902

■ 71.6633, 0.2924,
0.5203

■ 70.4180, 0.2926,
0.5473

■ 69.6240, 0.2939,
0.5693

■ 69.1990, 0.2960,
0.5852

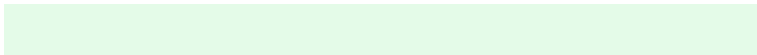
Harmonies

Analogous

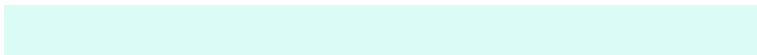
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.3145, 0.3235, 0.3538



91.3145, 0.3093, 0.3484



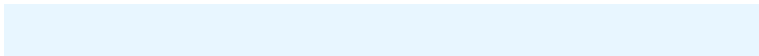
91.3145, 0.2962, 0.3375

Triad

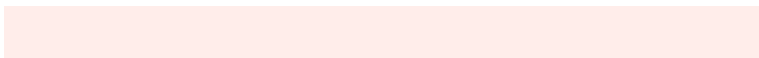
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



91.3145, 0.3093, 0.3484



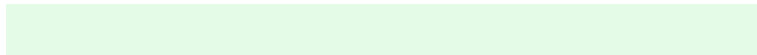
91.3145, 0.2906, 0.3061



91.3145, 0.3385, 0.3327

Complementary

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



91.3145, 0.3093, 0.3484



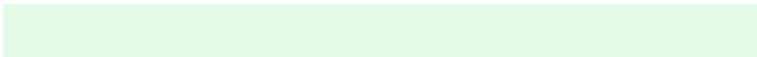
82.7256, 0.3163, 0.3103

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.



91.3145, 0.3293, 0.3206



91.3145, 0.3093, 0.3484



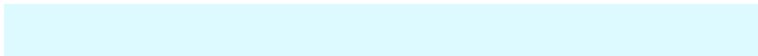
91.3145, 0.3015, 0.3054

Square

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



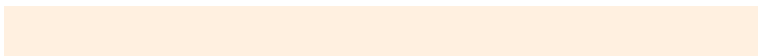
91.3145, 0.3093, 0.3484



91.3145, 0.2856, 0.3129



91.3145, 0.3157, 0.3107



91.3145, 0.3406, 0.3443

Rectangle

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



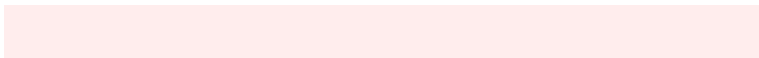
91.3145, 0.3093, 0.3484



91.3145, 0.2898, 0.3287



91.3145, 0.3157, 0.3107



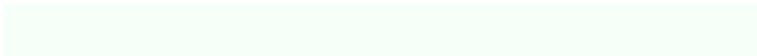
91.3145, 0.3361, 0.3286

Sweetspot

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



91.3184, 0.3093, 0.3484



98.1776, 0.3116, 0.3351



94.3999, 0.3239, 0.3517



20.9123, 0.3113, 0.3368



0.0000, 0.0000, 0.0000



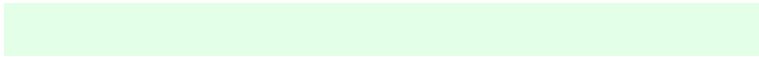
21.4041, 0.3127, 0.3290

Same Dimension

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



91.3184, 0.3093, 0.3484



93.6596, 0.3086, 0.3526



91.9823, 0.3028, 0.3367



19.3586, 0.3092, 0.3492



36.3753, 0.2956, 0.5842



3.3823, 0.2902, 0.5649

Inverse Universe

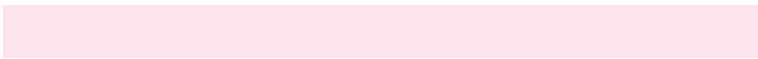
The Inverse Universe completely reimagines the original color for something new.



82.7256, 0.3163, 0.3103



83.0802, 0.3171, 0.3065



82.0482, 0.3237, 0.3214



17.4696, 0.3165, 0.3096



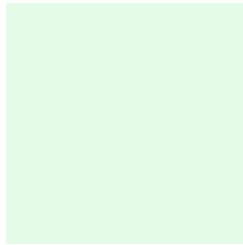
13.1753, 0.3706, 0.1815



1.2335, 0.3636, 0.1777

Previews

White Background



This preview shows how the Yxy color 91.3145, 0.3093, 0.3484 looks on a white background.

Color Contrast Check

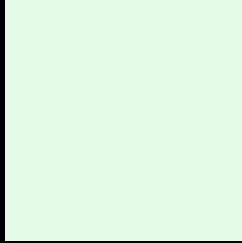
Large Text (above 18pt) WCAG AA × Fail

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 91.3145, 0.3093, 0.3484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

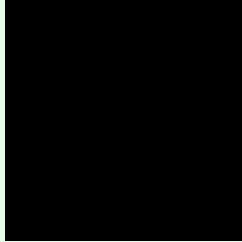
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

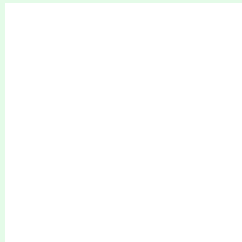
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 91.3145, 0.3093, 0.3484

Background



This preview shows how black text looks on a background with the Yxy color 91.3145, 0.3093, 0.3484.

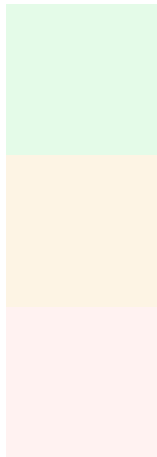


This preview shows how white text looks on a background with the Yxy color 91.3145, 0.3093, 0.3484.

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

91.3145, 0.3093, 0.3484

Protanopia

91.1855, 0.3284, 0.3448

Deuteranopia

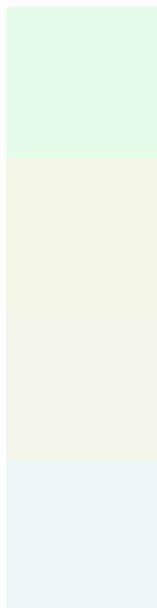
91.1151, 0.3219, 0.3300



Tritanopia

90.8755, 0.3030, 0.3191

Trichromacy



Original Color

91.3145, 0.3093, 0.3484

Protanomaly

91.4118, 0.3216, 0.3470

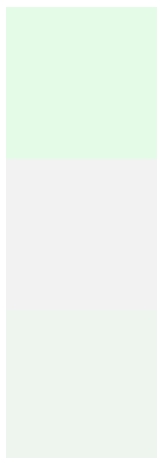
Deuteranomaly

90.8903, 0.3169, 0.3360

Tritanomaly

90.8991, 0.3051, 0.3290

Monochromacy



Original Color

91.3145, 0.3093, 0.3484

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

89.4824, 0.3117, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.3145, 0.3093, 0.3484 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, 251, 232)` looks like.

```
.text, #text, p{  
    color:rgb(228, 251, 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, 251, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 251, 232) }
```

Border

The CSS property to change the border of an element to Yxy 91.3145, 0.3093, 0.3484 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, 251, 232) }
```

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

```
.border{ border-color:rgb(228, 251, 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, 251, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 251, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 251, 232);  
box-shadow:4px 4px 4px 4px rgb(228, 251,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 91.3145, 0.3093, 0.3484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 251, 232) }
```

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

```
.background{ background-color: rgb(228,  
251, 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](#).

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