

Converting Colors

$Y_{xy}(100.0000, 0.3094, 0.3569)$

Have a look what the booklet for
Yxy(100.0000, 0.3094, 0.3569)
contains.

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Color

Yxy(94.6740, 0.3099, 0.3492)

Conversions

Conversions Part 1

Format	Color
Hex	E8FFEB
RGB	232, 255, 235
RGB Percent	91%, 100%, 92%
CMY	0.0904, 0.0000, 0.0785
CMYK	0.09, 0.00, 0.08, 0.00
HSL	128°, 100%, 95%
HSV	128°, 9%, 100%
XYZ	84.0191, 94.6740, 92.4237
YIQ	245.8430, -7.2880, -11.0960

Conversions

Conversions Part 2

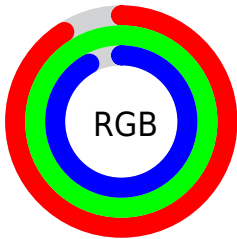
Format	Color
R_{YB}	232, 252, 255
Decimal	15269867
CIE _{Lab}	97.90, -11.10, 7.02
CIE _{LCh}	98, 13.131, 147.696
Y _{xy}	94.6740, 0.3099, 0.3492
Android (android.graphics.Color)	4293459947 (0xFFE8FFEB)
YUV	245.8430, -5.3456, -12.1403
Hunter-Lab	97.3006, -16.1411, 11.7921

Details

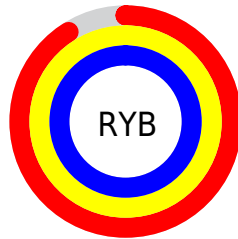
The Yxy color **94.6740, 0.3099, 0.3492** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.9725, 0.3157, 0.3096**, and the grayscale version is **92.0586, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.8729, 0.3092, 0.3536** is the 20% darker color. If you saturate the color by 10%, you get **89.5017, 0.3067, 0.3744**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

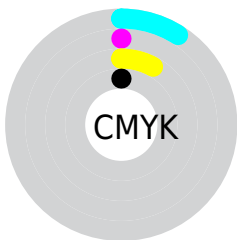
Distribution



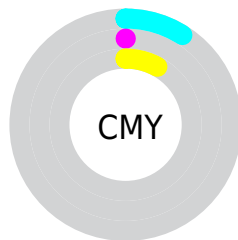
- Red (91%)
- Green (100%)
- Blue (92%)



- Red (91%)
- Yellow (99%)
- Blue (100%)



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 94.6740, 0.3099, 0.3492 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 94.6740, 0.3099, 0.3492 by changing the saturation by 10% instead.

 94.6740, 0.3099,
0.3492

 94.6740, 0.3099,
0.3492

543.1208, 0.3112,
0.3402

 71.8637, 0.3096,
0.3512


153.8141, 0.3104,
0.3461

 53.0473, 0.3092,
0.3536


190.9128, 0.3105,
0.3449

 37.8405, 0.3088,
0.3567


233.5429, 0.3107,
0.3438

 25.8590, 0.3081,
0.3606

282.0890, 0.3108,
0.3429

 16.7182, 0.3073,
0.3658

336.9355, 0.3109,
0.3421

 10.0337, 0.3061,
0.3730

398.4667, 0.3110,

 5.4213, 0.3042,

0.3414

0.3837

467.0670, 0.3111,
0.3407

■ 2.4965, 0.3010,
0.4013

■ 0.8749, 0.2954,
0.4611

■ 94.6740, 0.3099,
0.3492

■ 94.6740, 0.3099,
0.3492

■ 89.5017, 0.3067,
0.3744

100.0000, 0.3127,
0.3290

■ 85.0850, 0.3036,
0.4025

■ 81.3798, 0.3006,
0.4331

■ 78.3487, 0.2980,
0.4654

■ 75.9507, 0.2961,
0.4979

■ 74.1406, 0.2951,
0.5287

■ 72.8670, 0.2950,
0.5556

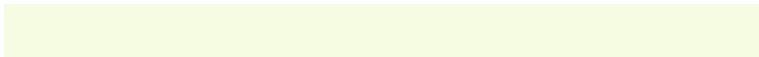
■ 72.0692, 0.2960,
0.5766

■ 71.6608, 0.2976,
0.5906

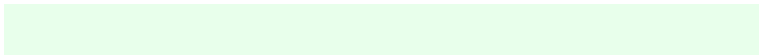
Harmonies

Analogous

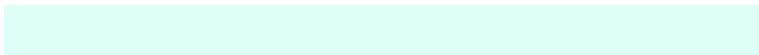
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.6740, 0.3244, 0.3543



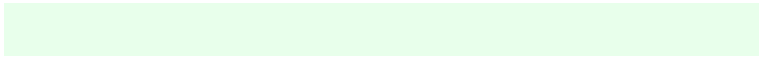
94.6740, 0.3099, 0.3492



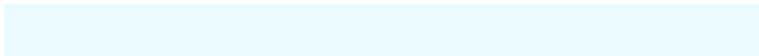
94.6740, 0.2964, 0.3383

Triad

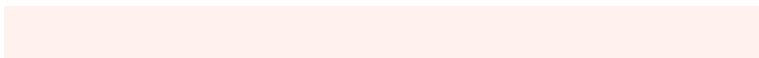
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



94.6740, 0.3099, 0.3492



94.6740, 0.2898, 0.3059



94.6740, 0.3387, 0.3322

Complementary

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



94.6740, 0.3099, 0.3492



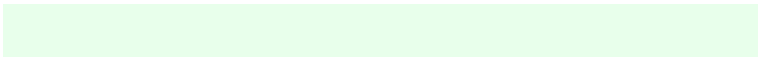
85.9725, 0.3157, 0.3096

Split Complementary

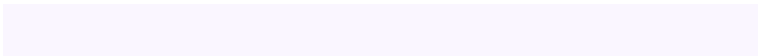
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.6740, 0.3290, 0.3199



94.6740, 0.3099, 0.3492



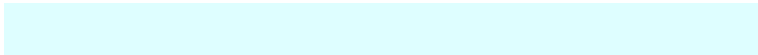
94.6740, 0.3007, 0.3049

Square

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



94.6740, 0.3099, 0.3492



94.6740, 0.2850, 0.3131



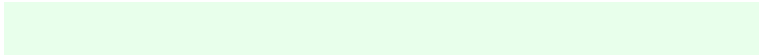
94.6740, 0.3150, 0.3100



94.6740, 0.3413, 0.3441

Rectangle

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



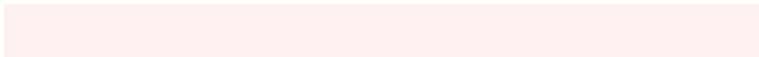
94.6740, 0.3099, 0.3492



94.6740, 0.2897, 0.3294



94.6740, 0.3150, 0.3100



94.6740, 0.3362, 0.3280

Sweetspot

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



94.6645, 0.3099, 0.3492



98.1572, 0.3118, 0.3354



98.0970, 0.3245, 0.3514



20.9069, 0.3115, 0.3372



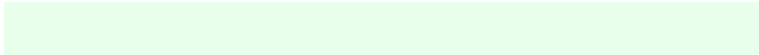
0.0000, 0.0000, 0.0000



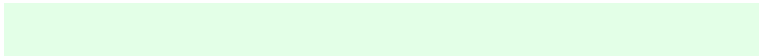
21.4041, 0.3127, 0.3290

Same Dimension

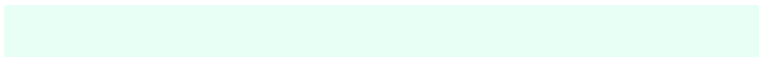
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.6645, 0.3099, 0.3492



93.5915, 0.3093, 0.3539



95.3316, 0.3036, 0.3378



20.2070, 0.3098, 0.3503



37.4414, 0.2972, 0.5900



3.6570, 0.2928, 0.5741

Inverse Universe

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



85.9725, 0.3157, 0.3096



83.1560, 0.3163, 0.3053



85.2840, 0.3228, 0.3204



18.2569, 0.3158, 0.3086



13.8674, 0.3572, 0.1741



1.3611, 0.3524, 0.1715

Previews

White Background



This preview shows how the Yxy color 94.6740, 0.3099, 0.3492 looks on a white background.

Color Contrast Check

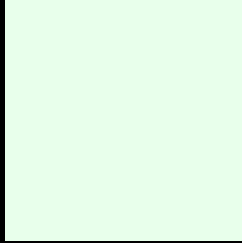
Large Text (above 18pt) WCAG AA × Fail

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 94.6740, 0.3099, 0.3492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

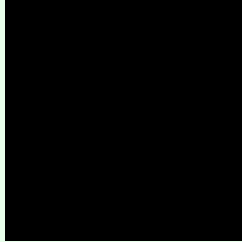
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

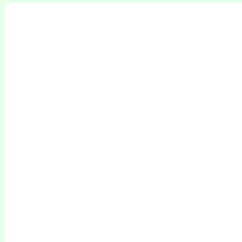
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 94.6740, 0.3099, 0.3492

Background



This preview shows how black text looks on a background with the Yxy color 94.6740, 0.3099, 0.3492.

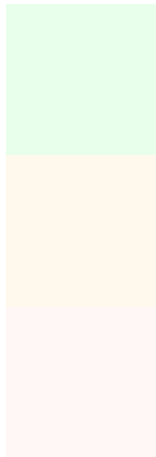


This preview shows how white text looks on a background with the Yxy color 94.6740, 0.3099, 0.3492.

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

94.6740, 0.3099, 0.3492

Protanopia

94.4509, 0.3244, 0.3407

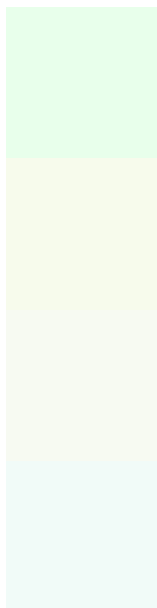
Deuteranopia

94.4353, 0.3185, 0.3300

Tritanopia

94.5642, 0.3073, 0.3232

Trichromacy



Original Color

94.6740, 0.3099, 0.3492

Protanomaly

94.8246, 0.3190, 0.3438

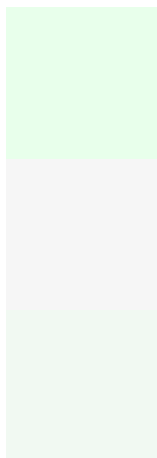
Deuteranomaly

94.5562, 0.3155, 0.3368

Tritanomaly

94.4724, 0.3082, 0.3319

Monochromacy



Original Color

94.6740, 0.3099, 0.3492

Achromatopsia

92.1582, 0.3127, 0.3290

Achromatomaly

92.8629, 0.3118, 0.3359

CSS Examples

Text

The CSS property to change the color of the text to Yxy 94.6740, 0.3099, 0.3492 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(232, 255, 235)` looks like.

```
.text, #text, p{  
    color:rgb(232, 255, 235)  
}
```

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(232, 255, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 255, 235) }
```

Border

The CSS property to change the border of an element to Yxy 94.6740, 0.3099, 0.3492 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(232, 255, 235) }
```

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

```
.border{ border-color:rgb(232, 255, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 255, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 255, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 255, 235);  
box-shadow:4px 4px 4px 4px rgb(232, 255,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 94.6740, 0.3099, 0.3492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 255, 235) }
```

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

```
.background{ background-color: rgb(232,  
255, 235) }
```

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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