

Converting Colors

$Y_{xy}(165.8477, 0.3095, 0.4320)$

Have a look what the booklet for
Yxy(165.8477, 0.3095, 0.4320)
contains.

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Color

Yxy(94.2772, 0.3139, 0.3564)

Conversions

Conversions Part 1

Format	Color
Hex	E8FFE4
RGB	232, 255, 228
RGB Percent	91%, 100%, 89%
CMY	0.0903, 0.0000, 0.1059
CMYK	0.09, 0.00, 0.11, 0.00
HSL	111°, 100%, 95%
HSV	111°, 11%, 100%
XYZ	83.0348, 94.2772, 87.2143
YIQ	245.0450, -5.0410, -13.2730

Conversions

Conversions Part 2

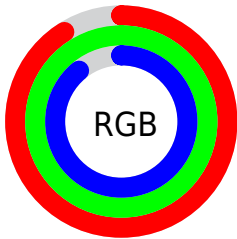
Format	Color
R_{YB}	228, 255, 251
Decimal	15269860
CIE _{Lab}	97.74, -12.29, 10.37
CIE _{LCh}	98, 16.082, 139.852
Yxy	94.2772, 0.3139, 0.3564
Android (android.graphics.Color)	4293459940 (0xFFE8FFE4)
YUV	245.0450, -8.4032, -11.4405
Hunter-Lab	97.0964, -17.2694, 14.7118

Details

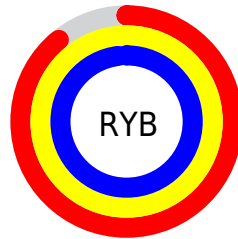
The Yxy color **94.2772, 0.3139, 0.3564** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **83.2169, 0.3113, 0.3027**, and the grayscale version is **91.4128, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.6354, 0.3135, 0.3616** is the 20% darker color. If you saturate the color by 10%, you get **89.5434, 0.3148, 0.3855**, and if you desaturate by 10%, it is **99.6608, 0.3128, 0.3304**.

Distribution



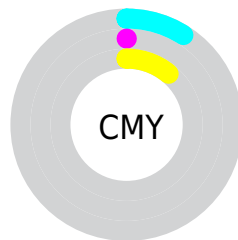
- Red (91%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (98%)



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



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 94.2772, 0.3139, 0.3564 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 94.2772, 0.3139, 0.3564 by changing the saturation by 10% instead.

 94.2772, 0.3139,
0.3564

 94.2772, 0.3139,
0.3564


541.8484, 0.3135,
0.3441

 71.5335, 0.3140,
0.3591

153.2657, 0.3138,
0.3522

 52.7777, 0.3140,
0.3625


190.2792, 0.3137,
0.3505

 37.6254, 0.3141,
0.3667


232.8182, 0.3137,
0.3491

 25.6920, 0.3141,
0.3720

281.2670, 0.3136,
0.3478

 16.5934, 0.3142,
0.3792

336.0101, 0.3136,
0.3467

 9.9450, 0.3141,
0.3891

397.4317, 0.3136,

 5.3625, 0.3137,

0.3457

0.4040

465.9164, 0.3135,
0.3449

■ 2.4615, 0.3125,
0.4285

■ 0.8573, 0.3257,
0.5424

■ 94.2772, 0.3139,
0.3564

■ 94.2772, 0.3139,
0.3564

■ 89.5434, 0.3148,
0.3855

99.6608, 0.3128,
0.3304

■ 85.4477, 0.3154,
0.4175

100.0000, 0.3127,
0.3290

■ 81.9584, 0.3155,
0.4515

■ 79.0463, 0.3150,
0.4863

■ 76.6800, 0.3138,
0.5198

■ 74.8247, 0.3118,
0.5496

■ 73.4417, 0.3092,
0.5733

■ 72.4865, 0.3062,
0.5892

■ 71.9240, 0.3035,
0.5973

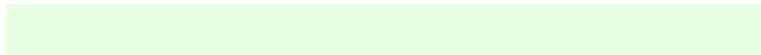
Harmonies

Analogous

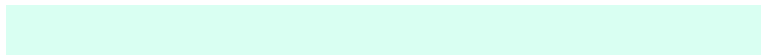
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.2772, 0.3312, 0.3604



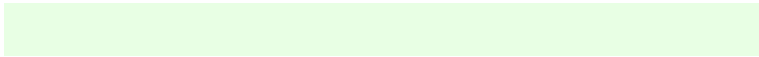
94.2772, 0.3139, 0.3564



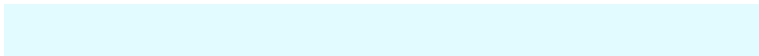
94.2772, 0.2966, 0.3444

Triad

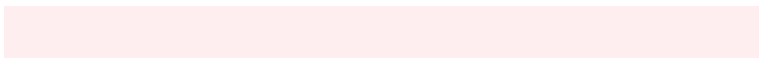
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



94.2772, 0.3139, 0.3564



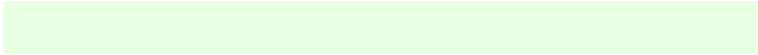
94.2772, 0.2823, 0.3023



94.2772, 0.3423, 0.3288

Complementary

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



94.2772, 0.3139, 0.3564



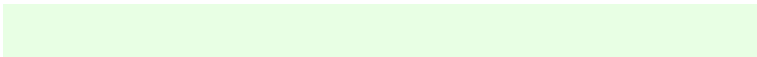
83.2169, 0.3113, 0.3027

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.



94.2772, 0.3286, 0.3142



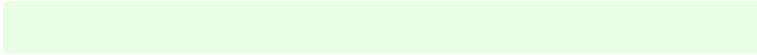
94.2772, 0.3139, 0.3564



94.2772, 0.2939, 0.2991

Square

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



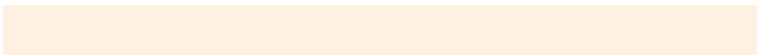
94.2772, 0.3139, 0.3564



94.2772, 0.2787, 0.3127



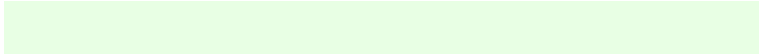
94.2772, 0.3107, 0.3035



94.2772, 0.3479, 0.3438

Rectangle

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



94.2772, 0.3139, 0.3564



94.2772, 0.2874, 0.3337



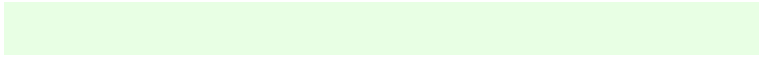
94.2772, 0.3107, 0.3035



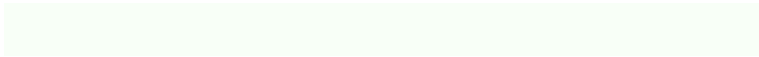
94.2772, 0.3385, 0.3237

Sweetspot

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



94.2726, 0.3139, 0.3564



98.3008, 0.3131, 0.3364



95.8238, 0.3290, 0.3514



20.9454, 0.3132, 0.3384



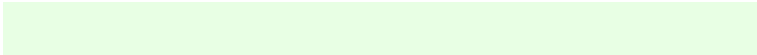
0.0000, 0.0000, 0.0000



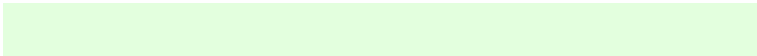
21.4041, 0.3127, 0.3290

Same Dimension

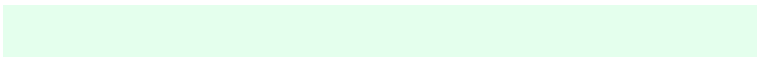
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.2726, 0.3139, 0.3564



93.0737, 0.3141, 0.3631



94.1537, 0.3061, 0.3468



20.2965, 0.3138, 0.3534



37.6202, 0.3041, 0.5968



3.6993, 0.3100, 0.5921

Inverse Universe

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



83.2169, 0.3113, 0.3027



79.7282, 0.3109, 0.2965



83.3699, 0.3200, 0.3119



18.1568, 0.3114, 0.3054



11.5664, 0.2838, 0.1337



1.1615, 0.2883, 0.1362

Previews

White Background



This preview shows how the Yxy color 94.2772, 0.3139, 0.3564 looks on a white background.

Color Contrast Check

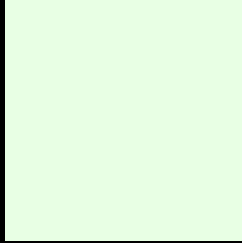
Large Text (above 18pt) WCAG AA × Fail

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 94.2772, 0.3139, 0.3564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

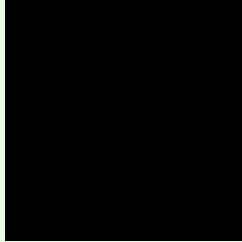
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

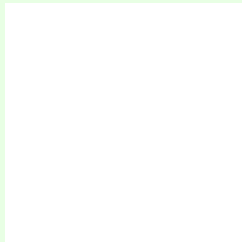
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 94.2772, 0.3139, 0.3564

Background



This preview shows how black text looks on a background with the Yxy color 94.2772, 0.3139, 0.3564.

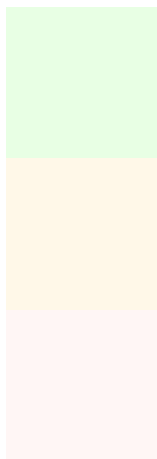


This preview shows how white text looks on a background with the Yxy color 94.2772, 0.3139, 0.3564.

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

94.2772, 0.3139, 0.3564

Protanopia

94.2210, 0.3269, 0.3446

Deuteranopia

93.7641, 0.3191, 0.3300

Tritanopia

94.3838, 0.3067, 0.3232

Trichromacy



Original Color

94.2772, 0.3139, 0.3564

Protanomaly

94.5380, 0.3220, 0.3488

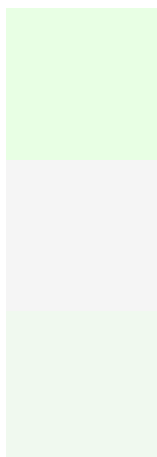
Deuteranomaly

93.7575, 0.3174, 0.3388

Tritanomaly

94.1122, 0.3093, 0.3349

Monochromacy



Original Color

94.2772, 0.3139, 0.3564

Achromatopsia

91.3099, 0.3127, 0.3290

Achromatomaly

92.5086, 0.3129, 0.3390

CSS Examples

Text

The CSS property to change the color of the text to Yxy 94.2772, 0.3139, 0.3564 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, 228)` looks like.

```
.text, #text, p{  
    color:rgb(232, 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(232, 255, 228) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 94.2772, 0.3139, 0.3564 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, 228) }
```

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

```
.border{ border-color:rgb(232, 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(232, 255, 228) colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 94.2772, 0.3139, 0.3564 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, 228) }
```

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

```
.background{ background-color: rgb(232,  
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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