

Converting Colors

$Y_{xy}(100.0000, 0.3158, 0.3697)$

Have a look what the booklet for
Yxy(100.0000, 0.3158, 0.3697)
contains.

Yxy(94.0576, 0.3162, 0.3605)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(94.0576, 0.3162, 0.3605)

Conversions

Conversions Part 1

Format	Color
Hex	E8FFE0
RGB	232, 255, 224
RGB Percent	91%, 100%, 88%
CMY	0.0902, 0.0000, 0.1214
CMYK	0.09, 0.00, 0.12, 0.00
HSL	105°, 100%, 94%
HSV	105°, 12%, 100%
XYZ	82.4993, 94.0576, 84.3518
YIQ	244.5890, -3.7570, -14.5170

Conversions

Conversions Part 2

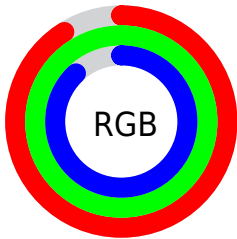
Format	Color
R_{YB}	224, 255, 247
Decimal	15269856
CIE _{Lab}	97.66, -12.94, 12.27
CIE _{LCh}	98, 17.835, 136.522
Yxy	94.0576, 0.3162, 0.3605
Android (android.graphics.Color)	4293459936 (0xFFE8FFE0)
YUV	244.5890, -10.1504, -11.0406
Hunter-Lab	96.9833, -17.8788, 16.3205

Details

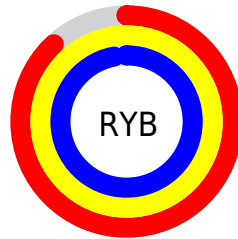
The Yxy color **94.0576, 0.3162, 0.3605** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **80.3291, 0.3087, 0.2985**, and the grayscale version is **91.0540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.4828, 0.3165, 0.3670** is the 20% darker color. If you saturate the color by 10%, you get **89.7800, 0.3188, 0.3896**, and if you desaturate by 10%, it is **98.8917, 0.3133, 0.3343**.

Distribution



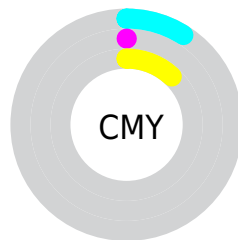
- Red (91%)
- Green (100%)
- Blue (88%)



- Red (88%)
- Yellow (100%)
- Blue (97%)



- Cyan (9%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)




- Cyan (9%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 94.0576, 0.3162, 0.3605 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 94.0576, 0.3162, 0.3605 by changing the saturation by 10% instead.


 94.0576, 0.3162,
0.3605

 94.0576, 0.3162,
0.3605

541.1436, 0.3148,
0.3463

 71.3509, 0.3165,
0.3637

152.9620, 0.3158,
0.3556

 52.6286, 0.3168,
0.3675


189.9285, 0.3156,
0.3537

 37.5063, 0.3172,
0.3724


232.4169, 0.3154,
0.3521

 25.5998, 0.3176,
0.3786

280.8118, 0.3153,
0.3506

 16.5245, 0.3181,
0.3868

335.4976, 0.3151,
0.3494

 9.8960, 0.3186,
0.3984

396.8585, 0.3150,

 5.3301, 0.3190,

0.3482

0.4156

465.2790, 0.3149,
0.3472

■ 2.4422, 0.3189,
0.4441

■ 0.8475, 0.3492,
0.6045

■ 94.0576, 0.3162,
0.3605

■ 94.0576, 0.3162,
0.3605

■ 89.7800, 0.3188,
0.3896

■ 98.8917, 0.3133,
0.3343

■ 86.0274, 0.3210,
0.4210

100.0000, 0.3127,
0.3290

■ 82.7824, 0.3226,
0.4541

■ 80.0223, 0.3231,
0.4875

■ 77.7226, 0.3226,
0.5194

■ 75.8565, 0.3207,
0.5475

■ 74.3939, 0.3175,
0.5699

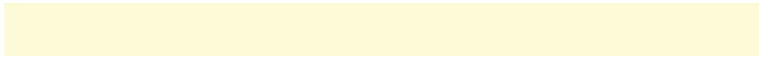
■ 73.3005, 0.3132,
0.5851

■ 72.6672, 0.3096,
0.5923

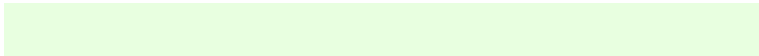
Harmonies

Analogous

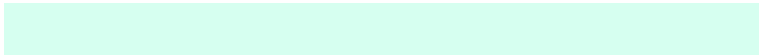
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.0576, 0.3351, 0.3637



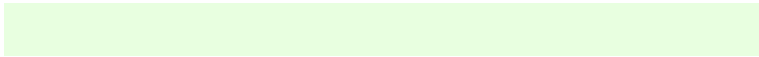
94.0576, 0.3162, 0.3605



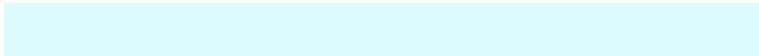
94.0576, 0.2968, 0.3479

Triad

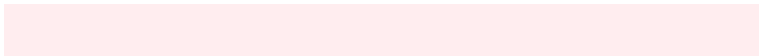
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



94.0576, 0.3162, 0.3605



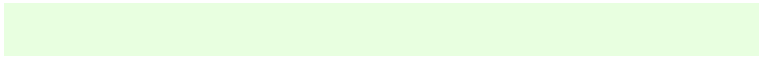
94.0576, 0.2782, 0.3002



94.0576, 0.3443, 0.3268

Complementary

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



94.0576, 0.3162, 0.3605



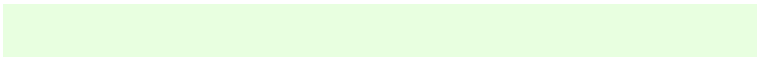
80.3291, 0.3087, 0.2985

Split Complementary

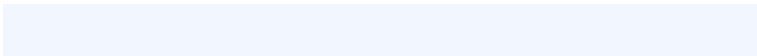
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.0576, 0.3282, 0.3111



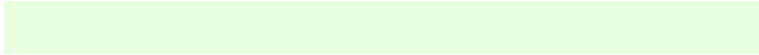
94.0576, 0.3162, 0.3605



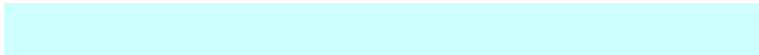
94.0576, 0.2901, 0.2959

Square

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



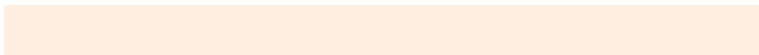
94.0576, 0.3162, 0.3605



94.0576, 0.2753, 0.3125



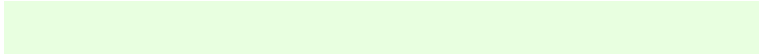
94.0576, 0.3083, 0.2999



94.0576, 0.3517, 0.3436

Rectangle

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



94.0576, 0.3162, 0.3605



94.0576, 0.2862, 0.3363



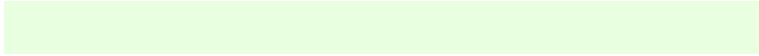
94.0576, 0.3083, 0.2999



94.0576, 0.3397, 0.3213

Sweetspot

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



94.0615, 0.3162, 0.3605



97.9523, 0.3139, 0.3389



93.0081, 0.3319, 0.3513



20.8856, 0.3141, 0.3408



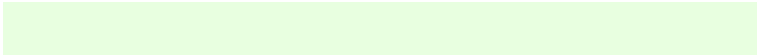
0.0000, 0.0000, 0.0000



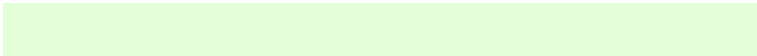
21.4041, 0.3127, 0.3290

Same Dimension

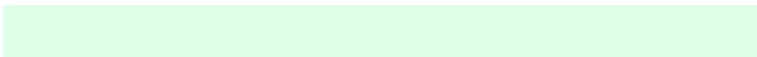
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.0615, 0.3162, 0.3605



92.7830, 0.3170, 0.3685



93.1573, 0.3071, 0.3534



20.3942, 0.3155, 0.3533



38.0302, 0.3106, 0.5916



3.7526, 0.3183, 0.5855

Inverse Universe

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



80.3291, 0.3087, 0.2985



76.1560, 0.3076, 0.2910



81.3539, 0.3188, 0.3058



18.0511, 0.3096, 0.3053



9.5224, 0.2564, 0.1186



0.9795, 0.2640, 0.1228

Previews

White Background



This preview shows how the Yxy color 94.0576, 0.3162, 0.3605 looks on a white background.

Color Contrast Check

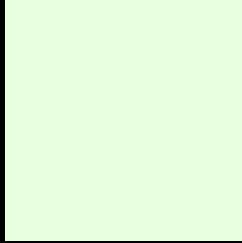
Large Text (above 18pt) WCAG AA × Fail

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 94.0576, 0.3162, 0.3605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

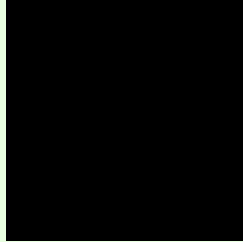
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

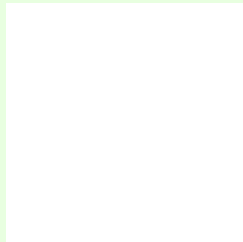
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 94.0576, 0.3162, 0.3605

Background



This preview shows how black text looks on a background with the Yxy color 94.0576, 0.3162, 0.3605.

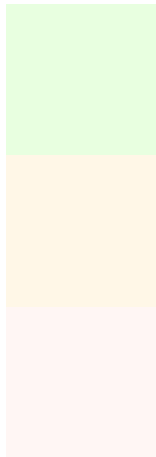


This preview shows how white text looks on a background with the Yxy color 94.0576, 0.3162, 0.3605.

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

94.0576, 0.3162, 0.3605

Protanopia

93.5511, 0.3276, 0.3446

Deuteranopia

93.7032, 0.3197, 0.3310

Tritanopia

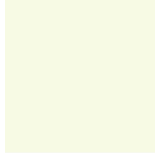
93.7673, 0.3067, 0.3222

Trichromacy



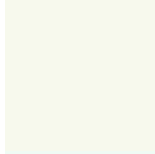
Original Color

94.0576, 0.3162, 0.3605



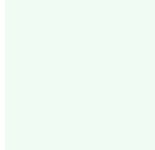
Protanomaly

93.7468, 0.3239, 0.3508



Deuteranomaly

93.6399, 0.3186, 0.3408



Tritanomaly

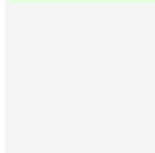
94.0513, 0.3099, 0.3359

Monochromacy



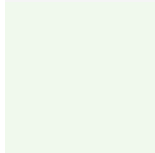
Original Color

94.0576, 0.3162, 0.3605



Achromatopsia

91.3099, 0.3127, 0.3290



Achromatomaly

92.3911, 0.3141, 0.3410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 94.0576, 0.3162, 0.3605 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, 224)` looks like.

```
.text, #text, p{  
    color:rgb(232, 255, 224)  
}
```

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, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 255, 224) }
```

Border

The CSS property to change the border of an element to Yxy 94.0576, 0.3162, 0.3605 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, 224) }
```

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

```
.border{ border-color:rgb(232, 255, 224) }
```

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, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(232, 255,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 94.0576, 0.3162, 0.3605 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, 224) }
```

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

```
.background{ background-color: rgb(232,  
255, 224) }
```

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