

Converting Colors

Yxy(90.5664, 0.3142, 0.3492)

Have a look what the booklet for
Yxy(90.5664, 0.3142, 0.3492)
contains.

Yxy(90.7321, 0.3143, 0.3494)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(90.7321, 0.3143, 0.3494)

Conversions

Conversions Part 1

Format	Color
Hex	E9F9E5
RGB	233, 249, 229
RGB Percent	91%, 98%, 90%
CMY	0.0863, 0.0235, 0.1020
CMYK	0.06, 0.00, 0.08, 0.02
HSL	108°, 63%, 94%
HSV	108°, 8%, 98%
XYZ	81.6173, 90.7321, 87.3303
YIQ	241.9360, -3.1160, -9.6120

Conversions

Conversions Part 2

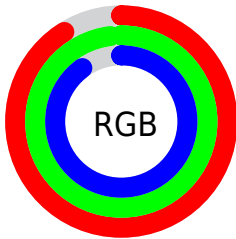
Format	Color
R _Y B	229, 249, 245
Decimal	15333861
CIE Lab	96.30, -8.80, 7.80
CIE LCh	96, 11.761, 138.471
Yxy	90.7321, 0.3143, 0.3494
Android (android.graphics.Color)	4293523941 (0xFFE9F9E5)
YUV	241.9360, -6.3774, -7.8369
Hunter-Lab	95.2534, -13.7467, 12.3191

Details

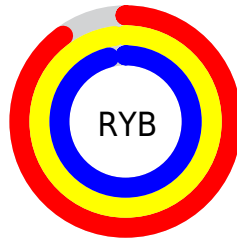
The Yxy color **90.7321, 0.3143, 0.3494** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.2876, 0.3109, 0.3091**, and the grayscale version is **88.7931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.5430, 0.3140, 0.3539** is the 20% darker color. If you saturate the color by 10%, you get **86.2765, 0.3161, 0.3775**, and if you desaturate by 10%, it is **95.7739, 0.3123, 0.3243**.

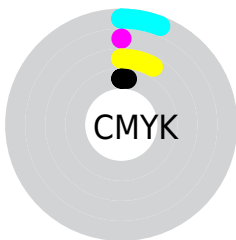
Distribution



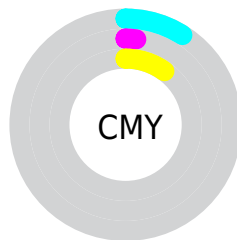
- Red (91%)
- Green (98%)
- Blue (90%)



- Red (90%)
- Yellow (98%)
- Blue (96%)



- Cyan (6%)
- Magenta (0%)
- Yellow (8%)
- Black (2%)





- Cyan (9%)
- Magenta (2%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.7321, 0.3143, 0.3494 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 90.7321, 0.3143, 0.3494 by changing the saturation by 10% instead.

 90.7321, 0.3143,
0.3494

 90.7321, 0.3143,
0.3494

530.4095, 0.3137,
0.3402

 68.5880, 0.3144,
0.3514


148.3549, 0.3141,
0.3463

 50.3763, 0.3146,
0.3540


184.6024, 0.3140,
0.3450

 35.7124, 0.3147,
0.3571


226.3198, 0.3139,
0.3439

 24.2122, 0.3150,
0.3611

273.8915, 0.3139,
0.3430

 15.4911, 0.3152,
0.3665

327.7020, 0.3138,
0.3422

 9.1648, 0.3155,
0.3740

388.1355, 0.3138,

 4.8488, 0.3157,

0.3415

455.5765, 0.3137,
0.3408

0.3854

2.1588, 0.3158,
0.4042

0.6974, 0.3295,
0.5130

90.7321, 0.3143,
0.3494

90.7321, 0.3143,
0.3494

86.2765, 0.3161,
0.3775

95.7739, 0.3123,
0.3243

82.3743, 0.3176,
0.4084

96.2384, 0.3130,
0.3233

79.0072, 0.3186,
0.4415

76.1514, 0.3189,
0.4756

■ 73.7812, 0.3182,
0.5090

■ 71.8687, 0.3166,
0.5396

■ 70.3829, 0.3140,
0.5649

■ 69.2886, 0.3105,
0.5831

■ 68.5425, 0.3067,
0.5937

Harmonies

Analogous

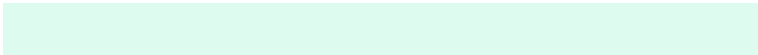
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.7321, 0.3270, 0.3521



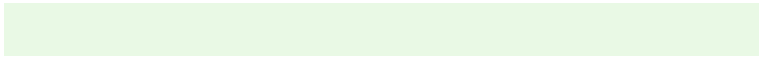
90.7321, 0.3143, 0.3494



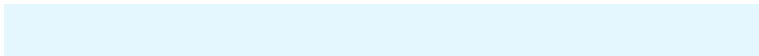
90.7321, 0.3014, 0.3408

Triad

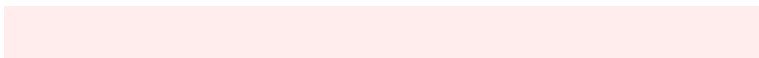
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.7321, 0.3143, 0.3494



90.7321, 0.2898, 0.3094



90.7321, 0.3342, 0.3284

Complementary

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



90.7321, 0.3143, 0.3494



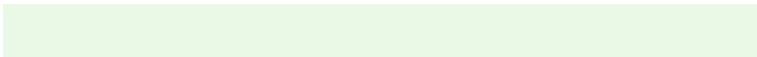
82.2876, 0.3109, 0.3091

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.



90.7321, 0.3239, 0.3176



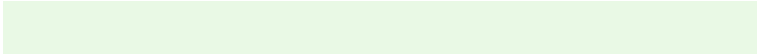
90.7321, 0.3143, 0.3494



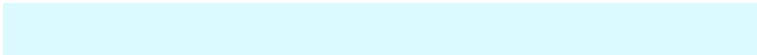
90.7321, 0.2983, 0.3067

Square

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



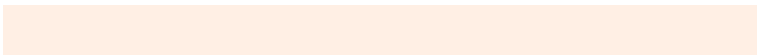
90.7321, 0.3143, 0.3494



90.7321, 0.2874, 0.3175



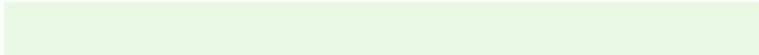
90.7321, 0.3107, 0.3097



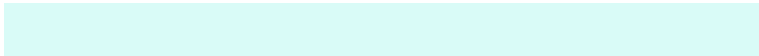
90.7321, 0.3387, 0.3397

Rectangle

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



90.7321, 0.3143, 0.3494



90.7321, 0.2943, 0.3331



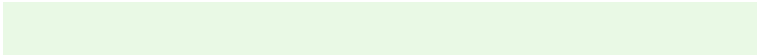
90.7321, 0.3107, 0.3097



90.7321, 0.3313, 0.3246

Sweetspot

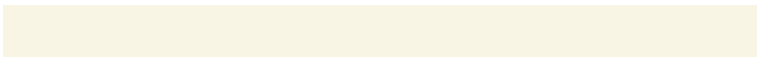
The Sweet Spot groups the original color and five complimentary colors.



90.7360, 0.3143, 0.3494



98.9099, 0.3131, 0.3339



91.1072, 0.3251, 0.3449



21.1822, 0.3131, 0.3337



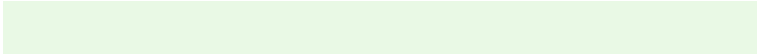
0.0000, 0.0000, 0.0000



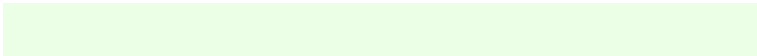
21.4041, 0.3127, 0.3290

Same Dimension

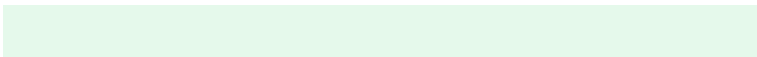
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.7360, 0.3143, 0.3494



94.7976, 0.3147, 0.3547



90.4124, 0.3083, 0.3433



19.4760, 0.3146, 0.3533



36.6720, 0.3068, 0.5946



3.4386, 0.3141, 0.5888

Inverse Universe

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



82.2876, 0.3109, 0.3091



83.8431, 0.3105, 0.3041



82.6454, 0.3175, 0.3151



17.3393, 0.3106, 0.3054



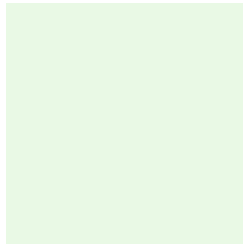
10.2437, 0.2708, 0.1265



0.9917, 0.2771, 0.1300

Previews

White Background



This preview shows how the Yxy color 90.7321, 0.3143, 0.3494 looks on a white background.

Color Contrast Check

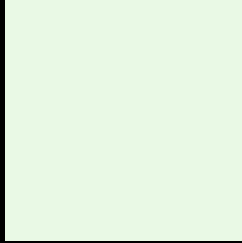
Large Text (above 18pt) WCAG AA × Fail

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 90.7321, 0.3143, 0.3494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

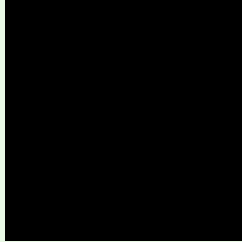
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

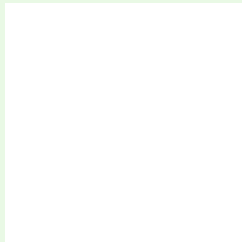
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.7321, 0.3143, 0.3494

Background



This preview shows how black text looks on a background with the Yxy color 90.7321, 0.3143, 0.3494.

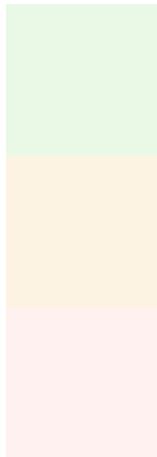


This preview shows how white text looks on a background with the Yxy color 90.7321, 0.3143, 0.3494.

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

90.7321, 0.3143, 0.3494

Protanopia

90.4748, 0.3298, 0.3458

Deuteranopia

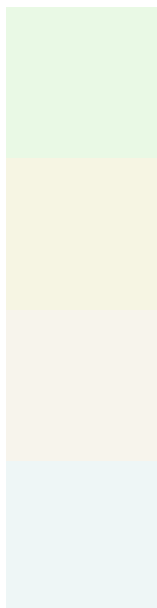
90.4619, 0.3226, 0.3300



Tritanopia

90.6221, 0.3043, 0.3182

Trichromacy



Original Color

90.7321, 0.3143, 0.3494

Protanomaly

90.4437, 0.3243, 0.3470

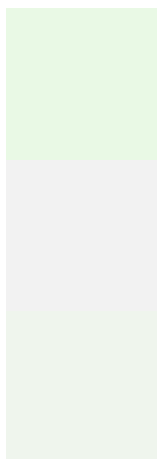
Deuteranomaly

90.5317, 0.3195, 0.3369

Tritanomaly

90.7425, 0.3076, 0.3290

Monochromacy



Original Color

90.7321, 0.3143, 0.3494

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

89.7700, 0.3136, 0.3370

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.7321, 0.3143, 0.3494 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(233, 249, 229)` looks like.

```
.text, #text, p{  
    color:rgb(233, 249, 229)  
}
```

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(233, 249, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 249, 229) }
```

Border

The CSS property to change the border of an element to Yxy 90.7321, 0.3143, 0.3494 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(233, 249, 229) }
```

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

```
.border{ border-color:rgb(233, 249, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 249, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 249, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 249, 229);  
box-shadow:4px 4px 4px 4px rgb(233, 249,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 90.7321, 0.3143, 0.3494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 249, 229) }
```

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

```
.background{ background-color: rgb(233,  
249, 229) }
```

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