

Converting Colors

$Y_{xy}(100.0000, 0.3210, 0.3785)$

Have a look what the booklet for
Yxy(100.0000, 0.3210, 0.3785)
contains.

Yxy(93.7499, 0.3221, 0.3699)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(93.7499, 0.3221, 0.3699)

Conversions

Conversions Part 1

Format	Color
Hex	E9FFD7
RGB	233, 255, 215
RGB Percent	91%, 100%, 84%
CMY	0.0861, 0.0000, 0.1570
CMYK	0.09, 0.00, 0.16, 0.00
HSL	93°, 100%, 92%
HSV	93°, 16%, 100%
XYZ	81.6352, 93.7499, 78.0616
YIQ	243.8620, -0.2720, -17.1040

Conversions

Conversions Part 2

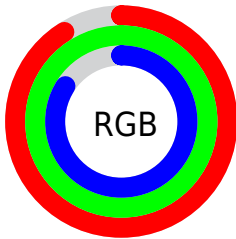
Format	Color
R _Y B	215, 255, 237
Decimal	15335383
CIE Lab	97.53, -14.08, 16.74
CIE LCh	98, 21.875, 130.060
Yxy	93.7499, 0.3221, 0.3699
Android (android.graphics.Color)	4293525463 (0xFFE9FFD7)
YUV	243.8620, -14.2290, -9.5260
Hunter-Lab	96.8245, -18.9452, 19.9766

Details

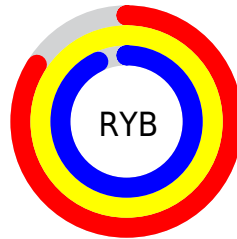
The Yxy color **93.7499, 0.3221, 0.3699** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **73.7989, 0.3019, 0.2885**, and the grayscale version is **90.4720, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.2733, 0.3238, 0.3790** is the 20% darker color. If you saturate the color by 10%, you get **90.2810, 0.3278, 0.3987**, and if you desaturate by 10%, it is **97.6179, 0.3161, 0.3432**.

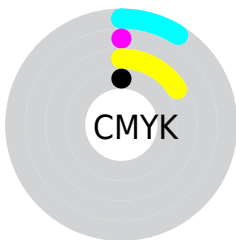
Distribution



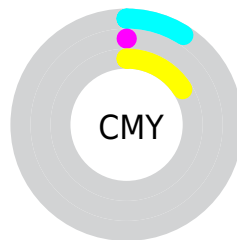
- Red (91%)
- Green (100%)
- Blue (84%)



- Red (84%)
- Yellow (100%)
- Blue (93%)



- Cyan (9%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (9%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.7499, 0.3221, 0.3699 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 93.7499, 0.3221, 0.3699 by changing the saturation by 10% instead.


 93.7499, 0.3221,
0.3699

 93.7499, 0.3221,
0.3699


540.1551, 0.3182,
0.3514

 71.0950, 0.3229,
0.3740


152.5364, 0.3208,
0.3636

 52.4197, 0.3239,
0.3791


189.4368, 0.3203,
0.3611

 37.3397, 0.3250,
0.3854


231.8544, 0.3198,
0.3589

 25.4706, 0.3264,
0.3935

280.1736, 0.3194,
0.3570

 16.4280, 0.3280,
0.4043

334.7790, 0.3191,
0.3554

 9.8275, 0.3300,
0.4194

396.0547, 0.3187,

 5.2848, 0.3324,

0.3539

0.4419

464.3853, 0.3184,
0.3526

■ 2.4153, 0.3345,
0.4787

■ 0.8337, 0.3499,
0.6501

■ 93.7499, 0.3221,
0.3699

■ 93.7499, 0.3221,
0.3699

■ 90.2810, 0.3278,
0.3987

■ 97.6179, 0.3161,
0.3432

■ 87.1854, 0.3329,
0.4291

99.9995, 0.3127,
0.3290

■ 84.4525, 0.3371,
0.4600

■ 82.0664, 0.3398,
0.4902

■ 80.0101, 0.3408,
0.5181

■ 78.2647, 0.3397,
0.5421

■ 76.8086, 0.3364,
0.5606

■ 75.6160, 0.3314,
0.5731

■ 75.1700, 0.3289,
0.5771

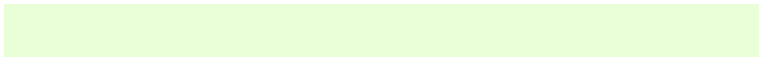
Harmonies

Analogous

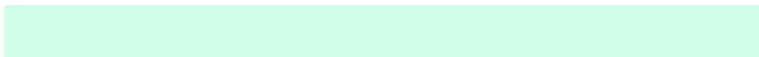
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.7499, 0.3444, 0.3709



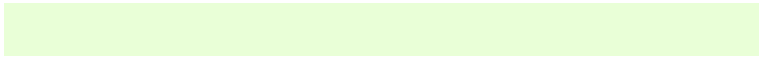
93.7499, 0.3221, 0.3699



93.7499, 0.2979, 0.3566

Triad

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



93.7499, 0.3221, 0.3699



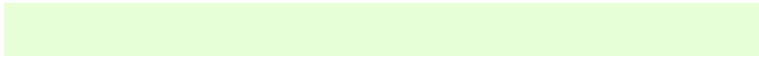
93.7499, 0.2688, 0.2961



93.7499, 0.3480, 0.3218

Complementary

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



93.7499, 0.3221, 0.3699



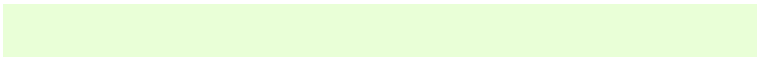
73.7989, 0.3019, 0.2885

Split Complementary

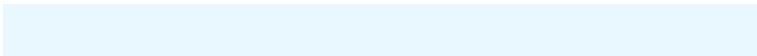
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.7499, 0.3265, 0.3036



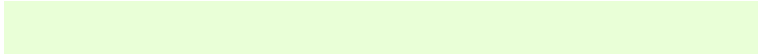
93.7499, 0.3221, 0.3699



93.7499, 0.2810, 0.2888

Square

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



93.7499, 0.3221, 0.3699



93.7499, 0.2678, 0.3128



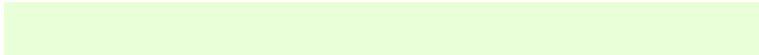
93.7499, 0.3019, 0.2917



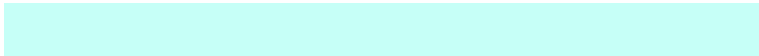
93.7499, 0.3598, 0.3423

Rectangle

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



93.7499, 0.3221, 0.3699



93.7499, 0.2840, 0.3427



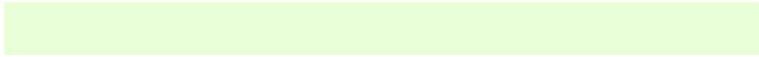
93.7499, 0.3019, 0.2917



93.7499, 0.3416, 0.3152

Sweetspot

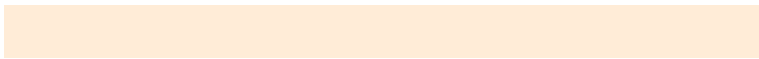
The Sweet Spot groups the original color and five complimentary colors.



93.7540, 0.3221, 0.3699



97.9031, 0.3157, 0.3414



86.3395, 0.3392, 0.3503



20.8939, 0.3161, 0.3432



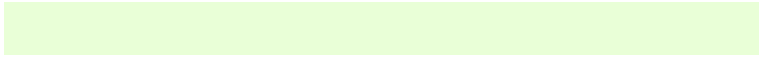
0.0000, 0.0000, 0.0000



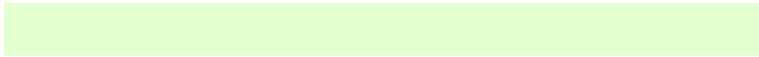
21.4041, 0.3127, 0.3290

Same Dimension

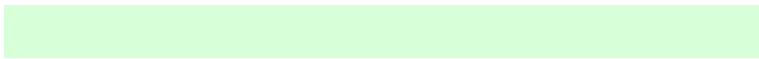
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.7540, 0.3221, 0.3699



92.5651, 0.3240, 0.3792



90.9357, 0.3100, 0.3699



20.5695, 0.3184, 0.3531



39.3641, 0.3301, 0.5761



3.8965, 0.3388, 0.5692

Inverse Universe

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



73.7989, 0.3019, 0.2885



68.9741, 0.2993, 0.2794



76.9800, 0.3154, 0.2913



17.8689, 0.3065, 0.3050



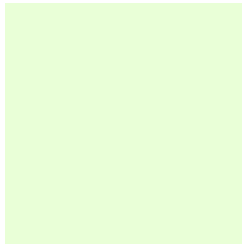
6.7720, 0.2119, 0.0941



0.7243, 0.2236, 0.1006

Previews

White Background



This preview shows how the Yxy color 93.7499, 0.3221, 0.3699 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 93.7499, 0.3221, 0.3699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

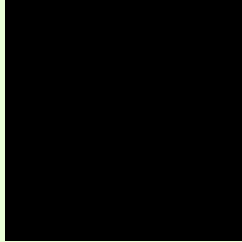
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

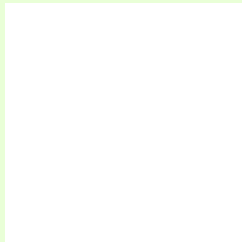
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 93.7499, 0.3221, 0.3699

Background



This preview shows how black text looks on a background with the Yxy color 93.7499, 0.3221, 0.3699.

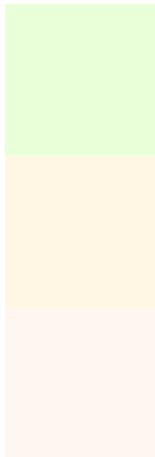


This preview shows how white text looks on a background with the Yxy color 93.7499, 0.3221, 0.3699.

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

93.7499, 0.3221, 0.3699

Protanopia

93.3830, 0.3294, 0.3476

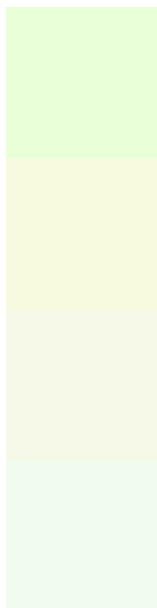
Deuteranopia

93.5823, 0.3209, 0.3329

Tritanopia

93.7673, 0.3067, 0.3222

Trichromacy



Original Color

93.7499, 0.3221, 0.3699

Protanomaly

93.4731, 0.3269, 0.3559

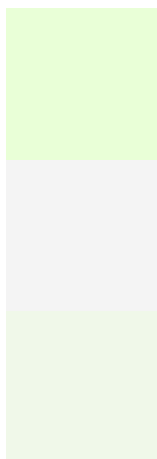
Deuteranomaly

93.3517, 0.3216, 0.3458

Tritanomaly

93.9864, 0.3128, 0.3399

Monochromacy



Original Color

93.7499, 0.3221, 0.3699

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

91.5433, 0.3165, 0.3440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.7499, 0.3221, 0.3699 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, 255, 215)` looks like.

```
.text, #text, p{  
    color:rgb(233, 255, 215)  
}
```

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, 255, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 215) }
```

Border

The CSS property to change the border of an element to Yxy 93.7499, 0.3221, 0.3699 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, 255, 215) }
```

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

```
.border{ border-color:rgb(233, 255, 215) }
```

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

Here you see how a box with a 4 pixel rgb(233, 255, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 215);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 93.7499, 0.3221, 0.3699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 255, 215) }
```

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

```
.background{ background-color: rgb(233,  
255, 215) }
```

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