

Converting Colors

$Y_{xy}(100.0000, 0.3220, 0.3525)$

Have a look what the booklet for
Yxy(100.0000, 0.3220, 0.3525)
contains.

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Color

Yxy(97.9697, 0.3224, 0.3495)

Conversions

Conversions Part 1

Format	Color
Hex	FBFFEA
RGB	251, 255, 234
RGB Percent	98%, 100%, 92%
CMY	0.0160, 0.0000, 0.0824
CMYK	0.02, 0.00, 0.08, 0.00
HSL	72°, 100%, 96%
HSV	72°, 8%, 100%
XYZ	90.3732, 97.9697, 91.9710
YIQ	251.4100, 4.3570, -7.3790

Conversions

Conversions Part 2

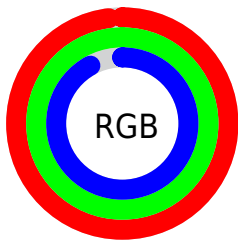
Format	Color
R_{YB}	234, 255, 238
Decimal	16515050
CIE Lab	99.21, -4.93, 9.58
CIE LCh	99, 10.772, 117.216
Yxy	97.9697, 0.3224, 0.3495
Android (android.graphics.Color)	4294705130 (0xFFFBFFEA)
YUV	251.4100, -8.5831, -0.3596
Hunter-Lab	98.9796, -10.2353, 14.1940

Details

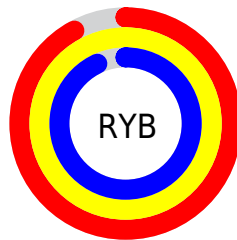
The Yxy color 97.9697, 0.3224, 0.3495 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 84.2388, 0.3025, 0.3080, and the grayscale version is 96.8768, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 55.0719, 0.3243, 0.3538 is the 20% darker color. If you saturate the color by 10%, you get 95.6893, 0.3343, 0.3755, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

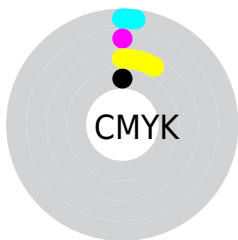
Distribution



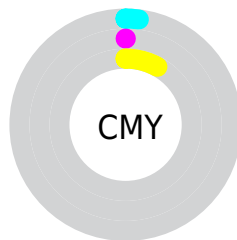
- Red (98%)
- Green (100%)
- Blue (92%)



- Red (92%)
- Yellow (100%)
- Blue (93%)



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 97.9697, 0.3224, 0.3495 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 97.9697, 0.3224, 0.3495 by changing the saturation by 10% instead.

 97.9697, 0.3224,
0.3495

 97.9697, 0.3224,
0.3495


553.6291, 0.3182,
0.3404

 74.6091, 0.3233,
0.3515


158.3611, 0.3210,
0.3464

 55.2927, 0.3244,
0.3539


196.1606, 0.3204,
0.3452

 39.6361, 0.3257,
0.3569


239.5419, 0.3199,
0.3442

 27.2550, 0.3274,
0.3607

288.8895, 0.3195,
0.3432

 17.7648, 0.3296,
0.3656

344.5875, 0.3191,
0.3424

 10.7813, 0.3325,
0.3725

407.0206, 0.3188,

 5.9199, 0.3366,

0.3417

0.3824

476.5730, 0.3185,
0.3410

■ 2.7965, 0.3428,
0.3982

■ 1.0264, 0.3666,
0.4433

■ 97.9697, 0.3224,
0.3495

■ 97.9697, 0.3224,
0.3495

■ 95.6893, 0.3343,
0.3755

100.0000, 0.3127,
0.3290

■ 93.6487, 0.3461,
0.4022

■ 91.8240, 0.3573,
0.4288

■ 90.2047, 0.3674,
0.4544

■ 88.7791, 0.3758,
0.4777

■ 87.5345, 0.3819,
0.4978

■ 86.4561, 0.3856,
0.5137

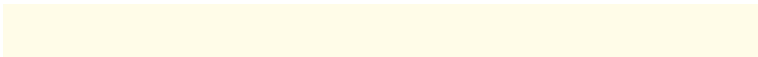
■ 85.5269, 0.3866,
0.5249

■ 84.7231, 0.3852,
0.5317

Harmonies

Analogous

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



97.9697, 0.3317, 0.3479



97.9697, 0.3224, 0.3495



97.9697, 0.3107, 0.3454

Triad

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



97.9697, 0.3224, 0.3495



97.9697, 0.2901, 0.3163



97.9697, 0.3258, 0.3214

Complementary

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



97.9697, 0.3224, 0.3495



84.2388, 0.3025, 0.3080

Split Complementary

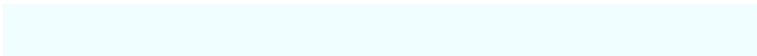
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.9697, 0.3145, 0.3134



97.9697, 0.3224, 0.3495



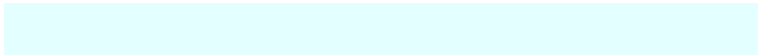
97.9697, 0.2940, 0.3103

Square

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



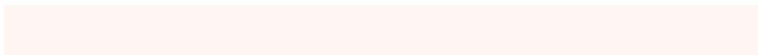
97.9697, 0.3224, 0.3495



97.9697, 0.2922, 0.3259



97.9697, 0.3028, 0.3093



97.9697, 0.3337, 0.3315

Rectangle

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



97.9697, 0.3224, 0.3495



97.9697, 0.3030, 0.3400



97.9697, 0.3028, 0.3093



97.9697, 0.3223, 0.3184

Sweetspot

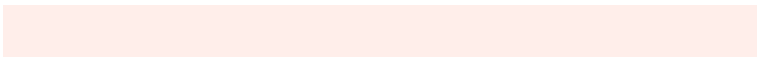
The Sweet Spot groups the original color and five complimentary colors.



97.9555, 0.3224, 0.3495



99.4891, 0.3150, 0.3339



88.2507, 0.3266, 0.3328



21.3001, 0.3149, 0.3336



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.



97.9555, 0.3224, 0.3495



97.5408, 0.3245, 0.3540



96.0959, 0.3159, 0.3499



20.9026, 0.3239, 0.3527



44.2627, 0.3854, 0.5322



4.3531, 0.3895, 0.5290

Inverse Universe

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



84.2388, 0.3025, 0.3080



81.1022, 0.3002, 0.3033



86.0725, 0.3093, 0.3085



17.5470, 0.3009, 0.3046



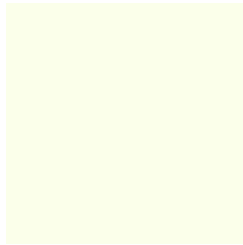
4.1664, 0.1591, 0.0650



0.4480, 0.1688, 0.0704

Previews

White Background



This preview shows how the Yxy color 97.9697, 0.3224, 0.3495 looks on a white background.

Color Contrast Check

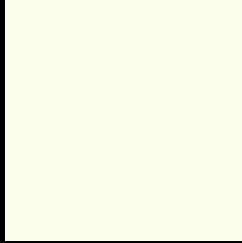
Large Text (above 18pt) WCAG AA × Fail

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 97.9697, 0.3224, 0.3495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

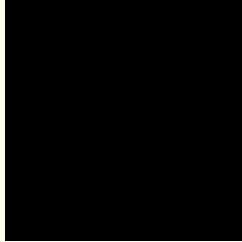
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 97.9697, 0.3224, 0.3495

Background



This preview shows how black text looks on a background with the Yxy color 97.9697, 0.3224, 0.3495.

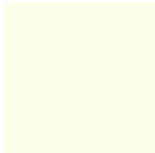


This preview shows how white text looks on a background with the Yxy color 97.9697, 0.3224, 0.3495.

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

97.9697, 0.3224, 0.3495



Protanopia

97.6581, 0.3169, 0.3328

Deuteranopia

97.9091, 0.3146, 0.3290

Tritanopia

97.7235, 0.3116, 0.3261

Trichromacy



Original Color

97.9697, 0.3224, 0.3495

Protanomaly

97.7925, 0.3192, 0.3386

Deuteranomaly

97.9140, 0.3180, 0.3367

Tritanomaly

97.6614, 0.3156, 0.3348

Monochromacy



Original Color

97.9697, 0.3224, 0.3495



Achromatopsia

96.4686, 0.3127, 0.3290



Achromatomaly

96.7226, 0.3162, 0.3358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 97.9697, 0.3224, 0.3495 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(251, 255, 234)` looks like.

```
.text, #text, p{  
    color:rgb(251, 255, 234)  
}
```

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(251, 255, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 255, 234) }
```

Border

The CSS property to change the border of an element to Yxy 97.9697, 0.3224, 0.3495 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(251, 255, 234) }
```

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

```
.border{ border-color:rgb(251, 255, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 255, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(251, 255,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 97.9697, 0.3224, 0.3495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 255, 234) }
```

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

```
.background{ background-color: rgb(251,  
255, 234) }
```

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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