

Converting Colors

$Y_{xy}(100.0000, 0.3230, 0.3499)$

Have a look what the booklet for
Yxy(100.0000, 0.3230, 0.3499)
contains.

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Color

Yxy(98.6470, 0.3232, 0.3474)

Conversions

Conversions Part 1

Format	Color
Hex	FEFFEC
RGB	254, 255, 236
RGB Percent	100%, 100%, 93%
CMY	0.0038, 0.0000, 0.0746
CMYK	0.00, 0.00, 0.07, 0.00
HSL	63°, 100%, 96%
HSV	63°, 7%, 100%
XYZ	91.7752, 98.6470, 93.5358
YIQ	252.5350, 5.5030, -6.1210

Conversions

Conversions Part 2

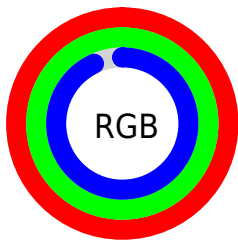
Format	Color
R _Y B	236, 255, 237
Decimal	16711660
CIE Lab	99.47, -3.54, 8.97
CIE LCh	99, 9.643, 111.530
Yxy	98.6470, 0.3232, 0.3474
Android (android.graphics.Color)	4294901740 (0xFFFEFFEC)
YUV	252.5350, -8.1518, 1.2848
Hunter-Lab	99.3212, -8.8737, 13.6885

Details

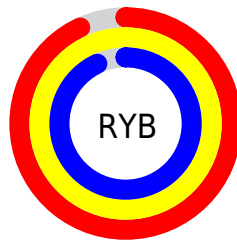
The Yxy color 98.6470, 0.3232, 0.3474 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 85.1887, 0.3018, 0.3100, and the grayscale version is 97.8839, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 55.5538, 0.3253, 0.3512 is the 20% darker color. If you saturate the color by 10%, you get 97.0251, 0.3376, 0.3728, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

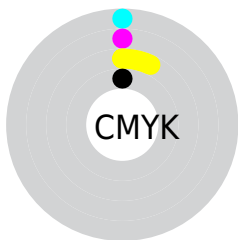
Distribution



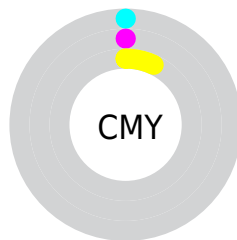
- Red (100%)
- Green (100%)
- Blue (93%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 98.6470, 0.3232, 0.3474 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 98.6470, 0.3232, 0.3474 by changing the saturation by 10% instead.


 98.6470, 0.3232,
0.3474

 98.6470, 0.3232,
0.3474

555.7757, 0.3186,
0.3393

 75.1741, 0.3242,
0.3492

159.2936, 0.3217,
0.3447

 55.7555, 0.3254,
0.3513


197.2361, 0.3211,
0.3436

 40.0069, 0.3268,
0.3540

240.7705, 0.3205,
0.3426

 27.5439, 0.3287,
0.3573

290.2812, 0.3201,
0.3418

 17.9822, 0.3310,
0.3617

346.1528, 0.3196,
0.3411

 10.9372, 0.3342,
0.3678

408.7694, 0.3193,

 6.0246, 0.3388,

0.3404

0.3765

478.5156, 0.3189,
0.3398

■ 2.8600, 0.3457,
0.3902

■ 1.0591, 0.3670,
0.4260

■ 98.6470, 0.3232,
0.3474

■ 98.6470, 0.3232,
0.3474

■ 97.0251, 0.3376,
0.3728

100.0000, 0.3127,
0.3290

■ 95.6052, 0.3519,
0.3985

■ 94.3802, 0.3658,
0.4235

■ 93.3397, 0.3786,
0.4471

■ 92.4723, 0.3898,
0.4680

■ 91.7656, 0.3987,
0.4854

■ 91.2053, 0.4051,
0.4985

■ 90.7746, 0.4088,
0.5072

■ 90.4516, 0.4101,
0.5117

Harmonies

Analogous

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



98.6470, 0.3308, 0.3450



98.6470, 0.3232, 0.3474



98.6470, 0.3129, 0.3447

Triad

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



98.6470, 0.3232, 0.3474



98.6470, 0.2924, 0.3191



98.6470, 0.3226, 0.3207

Complementary

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



98.6470, 0.3232, 0.3474



85.1887, 0.3018, 0.3100

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.



98.6470, 0.3122, 0.3140



98.6470, 0.3232, 0.3474



98.6470, 0.2949, 0.3130

Square

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



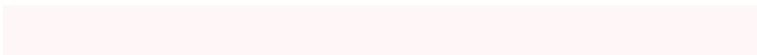
98.6470, 0.3232, 0.3474



98.6470, 0.2953, 0.3281



98.6470, 0.3021, 0.3112



98.6470, 0.3305, 0.3295

Rectangle

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



98.6470, 0.3232, 0.3474



98.6470, 0.3059, 0.3403



98.6470, 0.3021, 0.3112



98.6470, 0.3193, 0.3181

Sweetspot

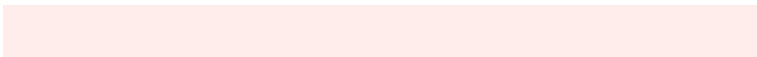
The Sweet Spot groups the original color and five complimentary colors.



98.6493, 0.3232, 0.3474



99.6262, 0.3155, 0.3339



87.8369, 0.3255, 0.3300



21.3280, 0.3154, 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.



98.6493, 0.3232, 0.3474



98.3860, 0.3254, 0.3513



96.9030, 0.3172, 0.3477



21.0404, 0.3261, 0.3525



47.2454, 0.4104, 0.5124



4.6141, 0.4114, 0.5115

Inverse Universe

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



85.1887, 0.3018, 0.3100



82.3237, 0.2994, 0.3058



86.8650, 0.3080, 0.3104



17.4223, 0.2986, 0.3045



3.8360, 0.1515, 0.0608



0.3885, 0.1551, 0.0628

Previews

White Background



This preview shows how the Yxy color 98.6470, 0.3232, 0.3474 looks on a white background.

Color Contrast Check

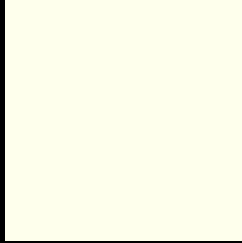
Large Text (above 18pt) WCAG AA × Fail

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 98.6470, 0.3232, 0.3474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

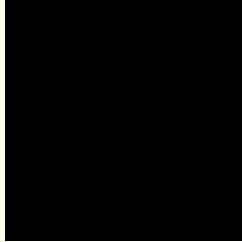
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 98.6470, 0.3232, 0.3474

Background



This preview shows how black text looks on a background with the Yxy color 98.6470, 0.3232, 0.3474.

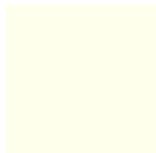


This preview shows how white text looks on a background with the Yxy color 98.6470, 0.3232, 0.3474.

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

98.6470, 0.3232, 0.3474



Protanopia

98.4127, 0.3157, 0.3319



Deuteranopia

98.6024, 0.3140, 0.3290

Tritanopia

98.5414, 0.3122, 0.3271

Trichromacy



Original Color

98.6470, 0.3232, 0.3474

Protanomaly

98.7362, 0.3186, 0.3376

Deuteranomaly

98.8590, 0.3174, 0.3357

Tritanomaly

98.7318, 0.3162, 0.3348

Monochromacy



Original Color

98.6470, 0.3232, 0.3474

Achromatopsia

98.2251, 0.3127, 0.3290

Achromatomaly

98.4817, 0.3161, 0.3357

CSS Examples

Text

The CSS property to change the color of the text to Yxy 98.6470, 0.3232, 0.3474 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(254, 255, 236)` looks like.

```
.text, #text, p{  
    color:rgb(254, 255, 236)  
}
```

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(254, 255, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 255, 236) }
```

Border

The CSS property to change the border of an element to Yxy 98.6470, 0.3232, 0.3474 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(254, 255, 236) }
```

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

```
.border{ border-color:rgb(254, 255, 236) }
```

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

Here you see how a box with a 4 pixel rgb(254, 255, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(254, 255,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 98.6470, 0.3232, 0.3474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 255, 236) }
```

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

```
.background{ background-color: rgb(254,  
255, 236) }
```

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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