

Converting Colors

$Y_{xy}(120.2570, 0.3179, 0.3764)$

Have a look what the booklet for
Yxy(120.2570, 0.3179, 0.3764)
contains.

Yxy(97.9584, 0.3200, 0.3465)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(97.9584, 0.3200, 0.3465)

Conversions

Conversions Part 1

Format	Color
Hex	FAFFED
RGB	250, 255, 237
RGB Percent	98%, 100%, 93%
CMY	0.0197, 0.0000, 0.0705
CMYK	0.02, 0.00, 0.07, 0.00
HSL	77°, 100%, 96%
HSV	77°, 7%, 100%
XYZ	90.4666, 97.9584, 94.2832
YIQ	251.4530, 2.7980, -6.6580

Conversions

Conversions Part 2

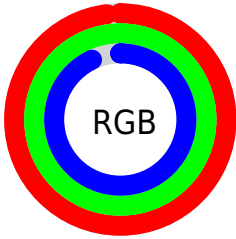
Format	Color
R _Y B	237, 255, 242
Decimal	16449517
CIE Lab	99.21, -4.74, 8.00
CIE LCh	99, 9.299, 120.634
Yxy	97.9584, 0.3200, 0.3465
Android (android.graphics.Color)	4294639597 (0xFFFAFFED)
YUV	251.4530, -7.1253, -1.2743
Hunter-Lab	98.9739, -10.0474, 12.8017

Details

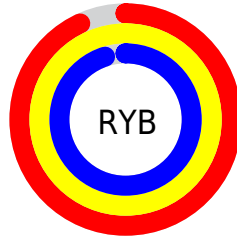
The Yxy color 97.9584, 0.3200, 0.3465 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 86.6940, 0.3051, 0.3112, and the grayscale version is 96.9198, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 55.1937, 0.3221, 0.3501 is the 20% darker color. If you saturate the color by 10%, you get 95.2764, 0.3305, 0.3726, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

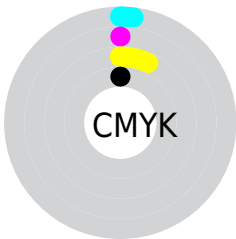
Distribution



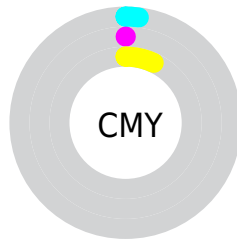
- Red (98%)
- Green (100%)
- Blue (93%)



- Red (93%)
- Yellow (100%)
- Blue (95%)



- Cyan (2%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)



- Cyan (2%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 97.9584, 0.3200, 0.3465 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 97.9584, 0.3200, 0.3465 by changing the saturation by 10% instead.

 97.9584, 0.3200,
0.3465

 97.9584, 0.3200,
0.3465

553.5932, 0.3168,
0.3388

 74.5997, 0.3207,
0.3482


158.3455, 0.3189,
0.3439

 55.2850, 0.3215,
0.3502


196.1427, 0.3185,
0.3428

 39.6300, 0.3225,
0.3528

239.5214, 0.3181,
0.3419

 27.2501, 0.3238,
0.3560

288.8662, 0.3178,
0.3412

 17.7612, 0.3254,
0.3603

344.5614, 0.3175,
0.3405

 10.7787, 0.3276,
0.3661

406.9914, 0.3173,

 5.9182, 0.3307,

0.3398

0.3746

476.5405, 0.3170,
0.3393

■ 2.7954, 0.3354,
0.3881

■ 1.0259, 0.3512,
0.4223

■ 97.9584, 0.3200,
0.3465

■ 97.9584, 0.3200,
0.3465

■ 95.2764, 0.3305,
0.3726

100.0000, 0.3127,
0.3290

■ 92.8497, 0.3408,
0.3999

■ 90.6652, 0.3505,
0.4275

■ 88.7122, 0.3591,
0.4546

■ 86.9788, 0.3662,
0.4799

■ 85.4519, 0.3711,
0.5022

■ 84.1169, 0.3735,
0.5205

■ 82.9563, 0.3734,
0.5340

■ 81.9484, 0.3708,
0.5426

Harmonies

Analogous

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



97.9584, 0.3284, 0.3457



97.9584, 0.3200, 0.3465



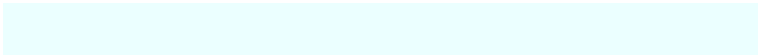
97.9584, 0.3098, 0.3424

Triad

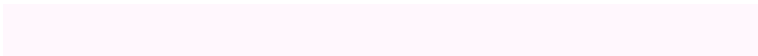
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



97.9584, 0.3200, 0.3465



97.9584, 0.2933, 0.3172



97.9584, 0.3250, 0.3234

Complementary

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



97.9584, 0.3200, 0.3465



86.6940, 0.3051, 0.3112

Split Complementary

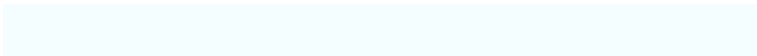
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.9584, 0.3154, 0.3161



97.9584, 0.3200, 0.3465



97.9584, 0.2972, 0.3125

Square

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



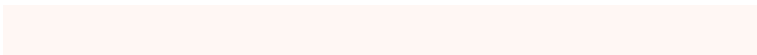
97.9584, 0.3200, 0.3465



97.9584, 0.2945, 0.3253



97.9584, 0.3053, 0.3121



97.9584, 0.3313, 0.3322

Rectangle

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



97.9584, 0.3200, 0.3465



97.9584, 0.3033, 0.3375



97.9584, 0.3053, 0.3121



97.9584, 0.3220, 0.3207

Sweetspot

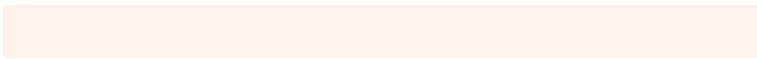
The Sweet Spot groups the original color and five complimentary colors.



97.9555, 0.3200, 0.3465



99.4063, 0.3148, 0.3339



90.7753, 0.3244, 0.3337



21.2833, 0.3147, 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, 0.3200, 0.3465



97.6889, 0.3210, 0.3489



96.3765, 0.3145, 0.3468



20.8204, 0.3226, 0.3528



42.7533, 0.3706, 0.5440



4.2176, 0.3763, 0.5394

Inverse Universe

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



86.6940, 0.3051, 0.3112



84.9867, 0.3040, 0.3087



88.2801, 0.3108, 0.3116



17.6236, 0.3022, 0.3047



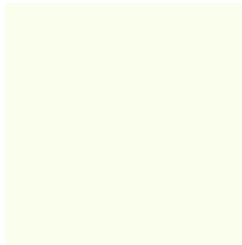
4.5429, 0.1676, 0.0697



0.4943, 0.1790, 0.0760

Previews

White Background



This preview shows how the Yxy color 97.9584, 0.3200, 0.3465 looks on a white background.

Color Contrast Check

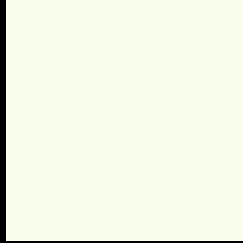
Large Text (above 18pt) WCAG AA × Fail

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 97.9584, 0.3200, 0.3465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

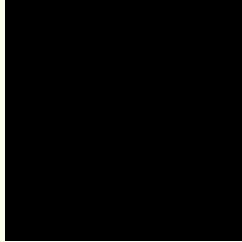
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 97.9584, 0.3200, 0.3465

Background



This preview shows how black text looks on a background with the Yxy color 97.9584, 0.3200, 0.3465.

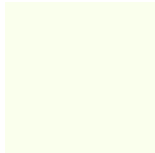


This preview shows how white text looks on a background with the Yxy color 97.9584, 0.3200, 0.3465.

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

97.9584, 0.3200, 0.3465



Protanopia

97.6581, 0.3169, 0.3328

Deuteranopia

97.9091, 0.3146, 0.3290

Tritanopia

97.7235, 0.3116, 0.3261

Trichromacy



Original Color

97.9584, 0.3200, 0.3465

Protanomaly

97.6649, 0.3180, 0.3377

Deuteranomaly

97.8486, 0.3162, 0.3348

Tritanomaly

97.7233, 0.3150, 0.3338

Monochromacy



Original Color

97.9584, 0.3200, 0.3465



Achromatopsia

96.4686, 0.3127, 0.3290

Achromatomaly

96.7839, 0.3156, 0.3348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 97.9584, 0.3200, 0.3465 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(250, 255, 237)` looks like.

```
.text, #text, p{  
    color:rgb(250, 255, 237)  
}
```

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(250, 255, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 255, 237) }
```

Border

The CSS property to change the border of an element to Yxy 97.9584, 0.3200, 0.3465 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(250, 255, 237) }
```

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

```
.border{ border-color:rgb(250, 255, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 255, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 255, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 255, 237);  
box-shadow:4px 4px 4px 4px rgb(250, 255,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 97.9584, 0.3200, 0.3465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 255, 237) }
```

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

```
.background{ background-color: rgb(250,  
255, 237) }
```

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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