

Converting Colors

$Y_{xy}(157.1142, 0.3194, 0.4208)$

Have a look what the booklet for
Yxy(157.1142, 0.3194, 0.4208)
contains.

Yxy(97.5753, 0.3266, 0.3564)	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(97.5753, 0.3266, 0.3564)

Conversions

Conversions Part 1

Format	Color
Hex	FBFFE3
RGB	251, 255, 227
RGB Percent	98%, 100%, 89%
CMY	0.0156, 0.0000, 0.1098
CMYK	0.02, 0.00, 0.11, 0.00
HSL	68°, 100%, 95%
HSV	68°, 11%, 100%
XYZ	89.4166, 97.5753, 86.7884
YIQ	250.6120, 6.6040, -9.5560

Conversions

Conversions Part 2

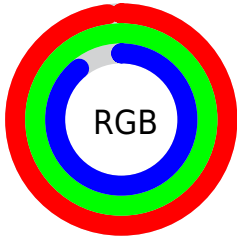
Format	Color
R_{YB}	227, 255, 231
Decimal	16515043
CIE Lab	99.05, -6.00, 12.93
CIE LCh	99, 14.257, 114.889
Yxy	97.5753, 0.3266, 0.3564
Android (android.graphics.Color)	4294705123 (0xFFFBFFE3)
YUV	250.6120, -11.6407, 0.3403
Hunter-Lab	98.7802, -11.2857, 17.0539

Details

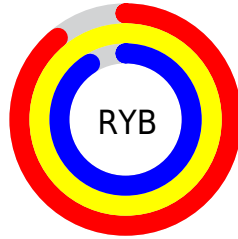
The Yxy color 97.5753, 0.3266, 0.3564 is a light color, and the websafe version is hex FFFFCC. A complement of this color would be 79.1365, 0.2979, 0.3005, and the grayscale version is 96.2311, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.8361, 0.3288, 0.3615 is the 20% darker color. If you saturate the color by 10%, you get 95.6101, 0.3394, 0.3824, and if you desaturate by 10%, it is 99.7703, 0.3139, 0.3314.

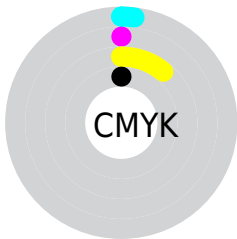
Distribution



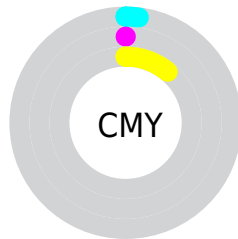
- Red (98%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (91%)



- Cyan (2%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (2%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 97.5753, 0.3266, 0.3564 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 97.5753, 0.3266, 0.3564 by changing the saturation by 10% instead.

 97.5753, 0.3266,
0.3564

 97.5753, 0.3266,
0.3564


552.3771, 0.3206,
0.3442

 74.2802, 0.3279,
0.3591

157.8177, 0.3246,
0.3523

 55.0234, 0.3294,
0.3623

195.5339, 0.3238,
0.3506

 39.4205, 0.3313,
0.3663


238.8259, 0.3231,
0.3492

 27.0870, 0.3337,
0.3714

288.0781, 0.3225,
0.3480

 17.6386, 0.3368,
0.3781

343.6749, 0.3219,
0.3469

 10.6908, 0.3409,
0.3873

406.0008, 0.3214,

 5.8593, 0.3466,

0.3459

0.4007

475.4400, 0.3210,
0.3450

■ 2.7597, 0.3551,
0.4219

■ 1.0076, 0.4029,
0.5035

■ 97.5753, 0.3266,
0.3564

■ 97.5753, 0.3266,
0.3564

■ 95.6101, 0.3394,
0.3824

99.7703, 0.3139,
0.3314

■ 93.8528, 0.3521,
0.4087

99.9983, 0.3127,
0.3290

■ 92.2977, 0.3640,
0.4345

■ 90.9341, 0.3746,
0.4587

■ 89.7503, 0.3834,
0.4803

■ 88.7330, 0.3898,
0.4982

■ 87.8673, 0.3937,
0.5117

■ 87.1351, 0.3949,
0.5206

■ 86.5637, 0.3941,
0.5253

Harmonies

Analogous

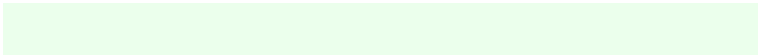
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



97.5753, 0.3385, 0.3535



97.5753, 0.3266, 0.3564



97.5753, 0.3111, 0.3516

Triad

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



97.5753, 0.3266, 0.3564



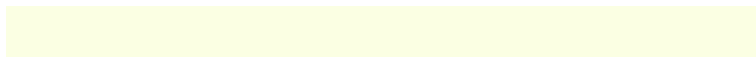
97.5753, 0.2828, 0.3128



97.5753, 0.3290, 0.3180

Complementary

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



97.5753, 0.3266, 0.3564



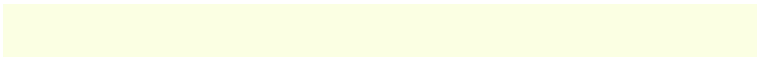
79.1365, 0.2979, 0.3005

Split Complementary

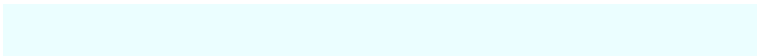
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.5753, 0.3137, 0.3078



97.5753, 0.3266, 0.3564



97.5753, 0.2873, 0.3046

Square

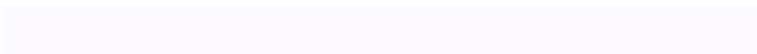
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



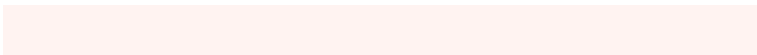
97.5753, 0.3266, 0.3564



97.5753, 0.2861, 0.3259



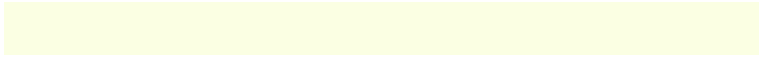
97.5753, 0.2985, 0.3029



97.5753, 0.3400, 0.3312

Rectangle

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



97.5753, 0.3266, 0.3564



97.5753, 0.3010, 0.3446



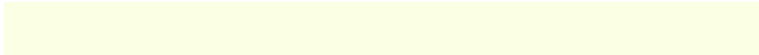
97.5753, 0.2985, 0.3029



97.5753, 0.3242, 0.3142

Sweetspot

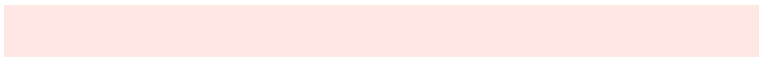
The Sweet Spot groups the original color and five complimentary colors.



97.5796, 0.3266, 0.3564



99.3122, 0.3165, 0.3363



83.8047, 0.3320, 0.3328



21.2183, 0.3175, 0.3383



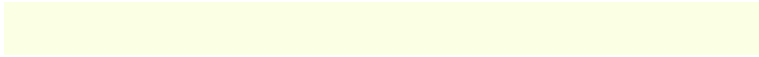
0.0000, 0.0000, 0.0000



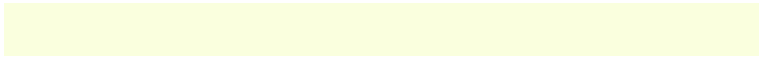
21.4041, 0.3127, 0.3290

Same Dimension

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



97.5796, 0.3266, 0.3564



97.1668, 0.3292, 0.3616



95.1137, 0.3178, 0.3571



20.9528, 0.3247, 0.3526



45.2825, 0.3945, 0.5249



4.4432, 0.3975, 0.5226

Inverse Universe

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



79.1365, 0.2979, 0.3005



75.6394, 0.2950, 0.2949



81.5185, 0.3071, 0.3013



17.5010, 0.3001, 0.3046



4.0066, 0.1555, 0.0630



0.4256, 0.1637, 0.0676

Previews

White Background



This preview shows how the Yxy color 97.5753, 0.3266, 0.3564 looks on a white background.

Color Contrast Check

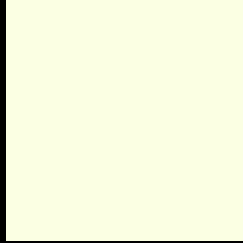
Large Text (above 18pt) WCAG AA × Fail

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 97.5753, 0.3266, 0.3564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

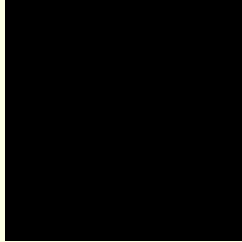
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 97.5753, 0.3266, 0.3564

Background



This preview shows how black text looks on a background with the Yxy color 97.5753, 0.3266, 0.3564.



This preview shows how white text looks on a background with the Yxy color 97.5753, 0.3266, 0.3564.

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

97.5753, 0.3266, 0.3564

Protanopia

97.5346, 0.3181, 0.3348

Deuteranopia

97.8458, 0.3152, 0.3300

Tritanopia

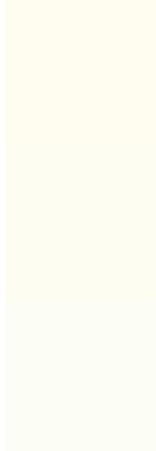
97.7235, 0.3116, 0.3261

Trichromacy



Original Color

97.5753, 0.3266, 0.3564



Protanomaly

97.5534, 0.3216, 0.3425

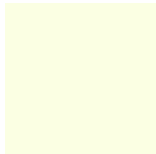
Deuteranomaly

97.7322, 0.3198, 0.3396

Tritanomaly

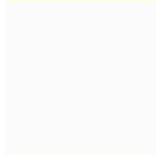
97.5386, 0.3167, 0.3367

Monochromacy



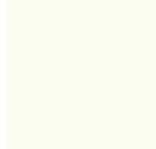
Original Color

97.5753, 0.3266, 0.3564



Achromatopsia

96.4686, 0.3127, 0.3290



Achromatomaly

96.5408, 0.3179, 0.3387

CSS Examples

Text

The CSS property to change the color of the text to Yxy 97.5753, 0.3266, 0.3564 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, 227)` looks like.

```
.text, #text, p{  
    color:rgb(251, 255, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 255, 227) }
```

Border

The CSS property to change the border of an element to Yxy 97.5753, 0.3266, 0.3564 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, 227) }
```

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

```
.border{ border-color:rgb(251, 255, 227) }
```

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, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(251, 255,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 97.5753, 0.3266, 0.3564 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, 227) }
```

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

```
.background{ background-color: rgb(251,  
255, 227) }
```

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