

Converting Colors

$Y_{xy}(100.0000, 0.2998, 0.3372)$

Have a look what the booklet for
Yxy(100.0000, 0.2998, 0.3372)
contains.

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Color

Yxy(95.7677, 0.2998, 0.3309)

Conversions

Conversions Part 1

Format	Color
Hex	E8FFFD
RGB	232, 255, 253
RGB Percent	91%, 100%, 99%
CMY	0.0903, 0.0000, 0.0076
CMYK	0.09, 0.00, 0.01, 0.00
HSL	175°, 100%, 95%
HSV	175°, 9%, 100%
XYZ	86.7669, 95.7677, 106.8813
YIQ	247.8950, -13.0660, -5.4980

Conversions

Conversions Part 2

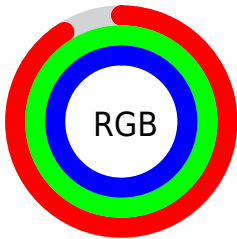
Format	Color
R _Y B	232, 244, 255
Decimal	15269885
CIE Lab	98.34, -7.81, -1.63
CIE LCh	98, 7.975, 191.787
Yxy	95.7677, 0.2998, 0.3309
Android (android.graphics.Color)	4293459965 (0xFFE8FFFD)
YUV	247.8950, 2.5168, -13.9399
Hunter-Lab	97.8610, -12.9925, 3.7476

Details

The Yxy color 95.7677, 0.2998, 0.3309 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 84.8922, 0.3273, 0.3271, and the grayscale version is 93.7625, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.6038, 0.2972, 0.3315 is the 20% darker color. If you saturate the color by 10%, you get 91.6674, 0.2862, 0.3332, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

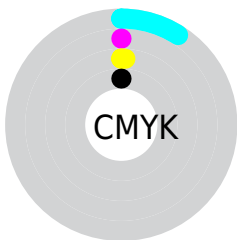
Distribution



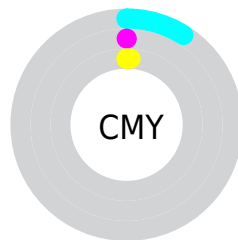
- Red (91%)
- Green (100%)
- Blue (99%)



- Red (91%)
- Yellow (96%)
- Blue (100%)



- Cyan (9%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)




- Cyan (9%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 95.7677, 0.2998, 0.3309 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 95.7677, 0.2998, 0.3309 by changing the saturation by 10% instead.


 95.7677, 0.2998,
0.3309

 95.7677, 0.2998,
0.3309


546.6198, 0.3055,
0.3301

 72.7741, 0.2986,
0.3311


155.3248, 0.3017,
0.3306

 53.7913, 0.2971,
0.3313


192.6571, 0.3025,
0.3305

 38.4348, 0.2952,
0.3315

235.5377, 0.3031,
0.3304

 26.3203, 0.2929,
0.3318

284.3510, 0.3037,
0.3303

 17.0634, 0.2899,
0.3322

339.4815, 0.3042,
0.3303

 10.2797, 0.2857,
0.3328

401.3136, 0.3047,

 5.5848, 0.2797,

0.3302

470.2315, 0.3051,
0.3301

0.3335

■ 2.5943, 0.2703,
0.3346

■ 0.9238, 0.2509,
0.3374

■ 95.7677, 0.2998,
0.3309

■ 95.7677, 0.2998,
0.3309

■ 91.6674, 0.2862,
0.3332

100.0000, 0.3127,
0.3290

■ 88.1631, 0.2736,
0.3356

■ 85.2244, 0.2623,
0.3383

■ 82.8205, 0.2526,
0.3410

■ 80.9176, 0.2448,
0.3439

■ 79.4782, 0.2388,
0.3468

■ 78.4593, 0.2348,
0.3497

■ 77.8100, 0.2327,
0.3526

■ 77.4549, 0.2322,
0.3555

Harmonies

Analogous

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



95.7677, 0.3070, 0.3384



95.7677, 0.2998, 0.3309



95.7677, 0.2960, 0.3230

Triad

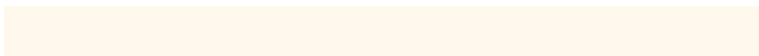
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



95.7677, 0.2998, 0.3309



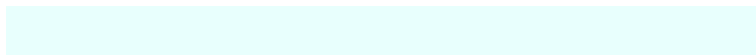
95.7677, 0.3095, 0.3153



95.7677, 0.3290, 0.3409

Complementary

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



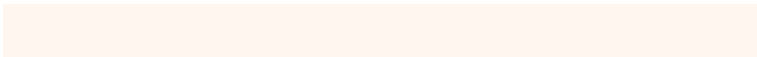
95.7677, 0.2998, 0.3309



84.8922, 0.3273, 0.3271

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.



95.7677, 0.3297, 0.3346



95.7677, 0.2998, 0.3309



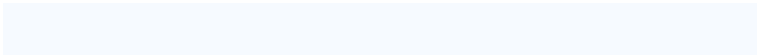
95.7677, 0.3183, 0.3199

Square

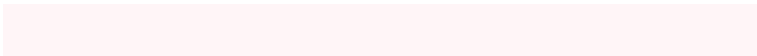
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



95.7677, 0.2998, 0.3309



95.7677, 0.3016, 0.3141



95.7677, 0.3258, 0.3270



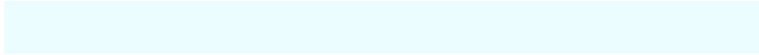
95.7677, 0.3239, 0.3442

Rectangle

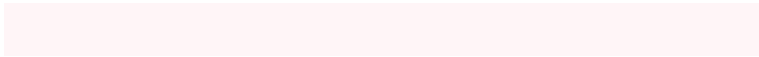
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



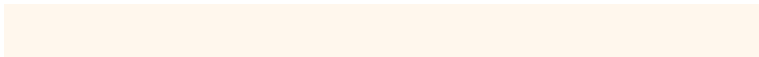
95.7677, 0.2998, 0.3309



95.7677, 0.2960, 0.3186



95.7677, 0.3258, 0.3270



95.7677, 0.3298, 0.3391

Sweetspot

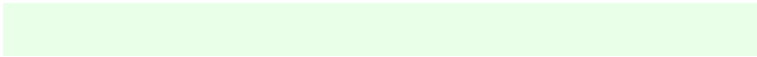
The Sweet Spot groups the original color and five complimentary colors.



95.7659, 0.2998, 0.3309



98.5362, 0.3084, 0.3296



94.8832, 0.3131, 0.3522



21.0091, 0.3072, 0.3298



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

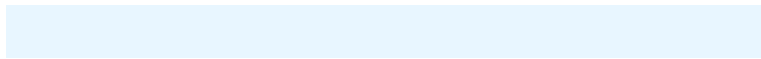
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95.7659, 0.2998, 0.3309



94.9108, 0.2971, 0.3313



90.1534, 0.2987, 0.3198



20.4534, 0.2991, 0.3310



40.4683, 0.2320, 0.3553



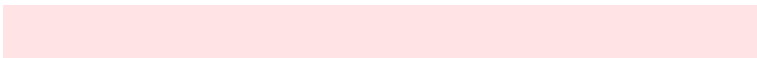
3.9478, 0.2311, 0.3520

Inverse Universe

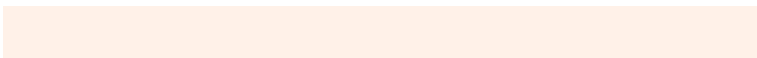
The Inverse Universe completely reimagines the original color for something new.



84.8922, 0.3273, 0.3271



81.8461, 0.3308, 0.3267



90.1029, 0.3276, 0.3381



18.0120, 0.3281, 0.3270



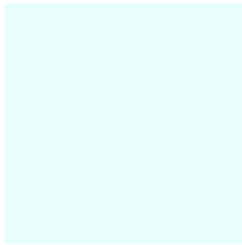
11.1468, 0.6310, 0.3250



1.0935, 0.6123, 0.3147

Previews

White Background



This preview shows how the Yxy color 95.7677, 0.2998, 0.3309 looks on a white background.

Color Contrast Check

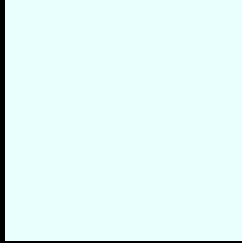
Large Text (above 18pt) WCAG AA × Fail

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 95.7677, 0.2998, 0.3309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

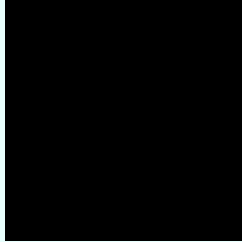
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

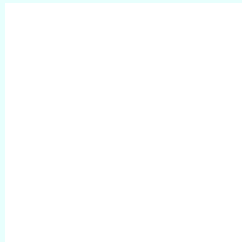
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 95.7677, 0.2998, 0.3309

Background



This preview shows how black text looks on a background with the Yxy color 95.7677, 0.2998, 0.3309.



This preview shows how white text looks on a background with the Yxy color 95.7677, 0.2998, 0.3309.

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

95.7677, 0.2998, 0.3309



Protanopia

95.6617, 0.3159, 0.3290

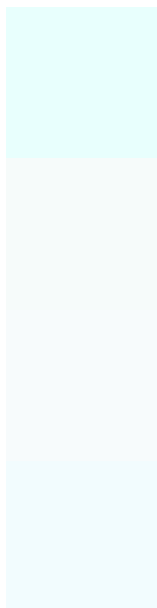
Deuteranopia

95.3598, 0.3154, 0.3261

Tritanopia

95.3654, 0.3079, 0.3242

Trichromacy



Original Color

95.7677, 0.2998, 0.3309

Protanomaly

95.4893, 0.3102, 0.3300

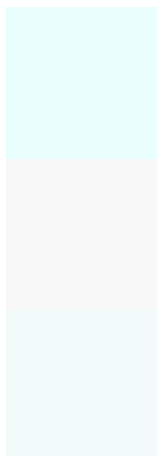
Deuteranomaly

95.7968, 0.3096, 0.3280

Tritanomaly

95.6538, 0.3054, 0.3270

Monochromacy



Original Color

95.7677, 0.2998, 0.3309

Achromatopsia

93.8686, 0.3127, 0.3290

Achromatomaly

94.7737, 0.3077, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 95.7677, 0.2998, 0.3309 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(232, 255, 253)` looks like.

```
.text, #text, p{  
    color:rgb(232, 255, 253)  
}
```

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(232, 255, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 255, 253) }
```

Border

The CSS property to change the border of an element to Yxy 95.7677, 0.2998, 0.3309 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(232, 255, 253) }
```

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

```
.border{ border-color:rgb(232, 255, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 255, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 255, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 255, 253);  
box-shadow:4px 4px 4px 4px rgb(232, 255,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 95.7677, 0.2998, 0.3309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 255, 253) }
```

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

```
.background{ background-color: rgb(232,  
255, 253) }
```

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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