

Converting Colors

$Y_{xy}(100.0000, 0.3085, 0.3396)$

Have a look what the booklet for
Yxy(100.0000, 0.3085, 0.3396)
contains.

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Color

Yxy(97.1746, 0.3087, 0.3358)

Conversions

Conversions Part 1

Format	Color
Hex	F2FFF8
RGB	242, 255, 248
RGB Percent	95%, 100%, 97%
CMY	0.0509, 0.0000, 0.0273
CMYK	0.05, 0.00, 0.03, 0.00
HSL	148°, 100%, 97%
HSV	148°, 5%, 100%
XYZ	89.3323, 97.1746, 102.8754
YIQ	250.3150, -5.5010, -4.9330

Conversions

Conversions Part 2

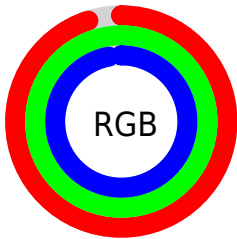
Format	Color
R_{YB}	242, 251, 255
Decimal	15925240
CIE Lab	98.90, -5.47, 1.85
CIE LCh	99, 5.778, 161.361
Yxy	97.1746, 0.3087, 0.3358
Android (android.graphics.Color)	4294115320 (0xFF2FF8)
YUV	250.3150, -1.1413, -7.2923
Hunter-Lab	98.5772, -10.7503, 7.1288

Details

The Yxy color 97.1746, 0.3087, 0.3358 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 91.6226, 0.3169, 0.3223, and the grayscale version is 95.8929, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.6330, 0.3077, 0.3365 is the 20% darker color. If you saturate the color by 10%, you get 92.1558, 0.3009, 0.3504, and if you desaturate by 10%, it is 99.9967, 0.3127, 0.3290.

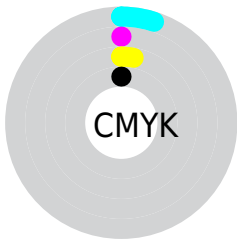
Distribution



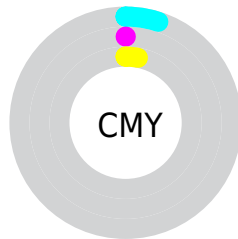
- Red (95%)
- Green (100%)
- Blue (97%)



- Red (95%)
- Yellow (98%)
- Blue (100%)



- Cyan (5%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)




- Cyan (5%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 97.1746, 0.3087, 0.3358 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 97.1746, 0.3087, 0.3358 by changing the saturation by 10% instead.

 97.1746, 0.3087,
0.3358

 97.1746, 0.3087,
0.3358


551.1035, 0.3105,
0.3328

 73.9462, 0.3083,
0.3365


157.2655, 0.3093,
0.3348

 54.7500, 0.3078,
0.3372


194.8968, 0.3095,
0.3344

 39.2016, 0.3073,
0.3382


238.0979, 0.3097,
0.3340

 26.9166, 0.3065,
0.3395

287.2531, 0.3099,
0.3337

 17.5106, 0.3056,
0.3411

342.7469, 0.3101,
0.3335

 10.5992, 0.3042,
0.3434

404.9636, 0.3102,

 5.7980, 0.3023,

0.3332

0.3466

474.2877, 0.3104,
0.3330

■ 2.7227, 0.2992,
0.3519

■ 0.9887, 0.2935,
0.3616

■ 97.1746, 0.3087,
0.3358

■ 97.1746, 0.3087,
0.3358

■ 92.1558, 0.3009,
0.3504

99.9967, 0.3127,
0.3290

■ 87.7972, 0.2934,
0.3667

■ 84.0736, 0.2865,
0.3846

■ 80.9541, 0.2806,
0.4039

■ 78.4044, 0.2759,
0.4245

■ 76.3873, 0.2727,
0.4457

■ 74.8604, 0.2715,
0.4671

■ 73.7749, 0.2723,
0.4879

■ 73.0705, 0.2750,
0.5075

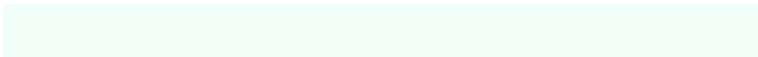
Harmonies

Analogous

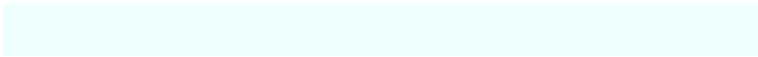
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



97.1746, 0.3151, 0.3393



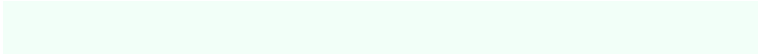
97.1746, 0.3087, 0.3358



97.1746, 0.3035, 0.3305

Triad

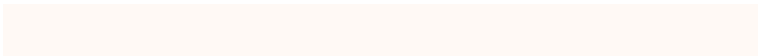
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



97.1746, 0.3087, 0.3358



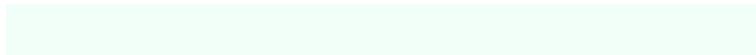
97.1746, 0.3046, 0.3183



97.1746, 0.3249, 0.3330

Complementary

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



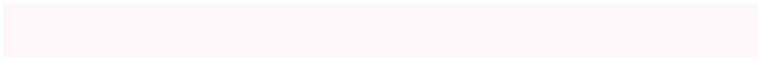
97.1746, 0.3087, 0.3358



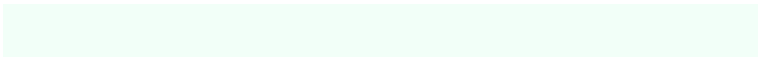
91.6226, 0.3169, 0.3223

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.



97.1746, 0.3221, 0.3275



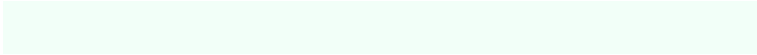
97.1746, 0.3087, 0.3358



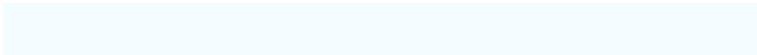
97.1746, 0.3103, 0.3190

Square

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



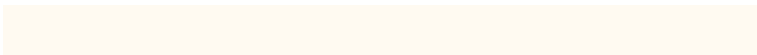
97.1746, 0.3087, 0.3358



97.1746, 0.3011, 0.3204



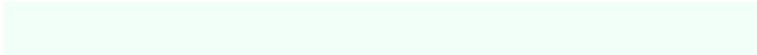
97.1746, 0.3167, 0.3224



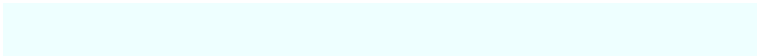
97.1746, 0.3245, 0.3376

Rectangle

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



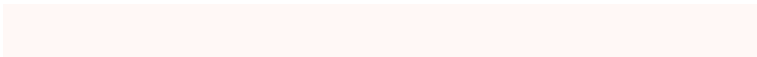
97.1746, 0.3087, 0.3358



97.1746, 0.3013, 0.3266



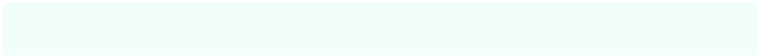
97.1746, 0.3167, 0.3224



97.1746, 0.3243, 0.3312

Sweetspot

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



97.1787, 0.3087, 0.3358



98.8702, 0.3111, 0.3316



98.0990, 0.3166, 0.3416



21.1741, 0.3112, 0.3315



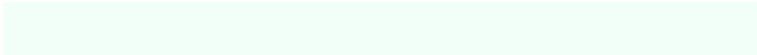
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



97.1787, 0.3087, 0.3358



96.6943, 0.3080, 0.3371



97.5778, 0.3051, 0.3296



20.6228, 0.3075, 0.3380



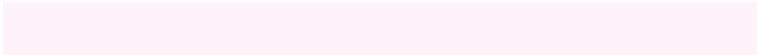
38.0826, 0.2760, 0.5136



3.7298, 0.2700, 0.4919

Inverse Universe

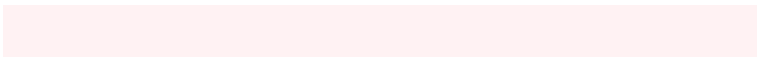
The Inverse Universe completely reimagines the original color for something new.



91.6226, 0.3169, 0.3223



90.1764, 0.3177, 0.3211



91.2348, 0.3208, 0.3284



19.0826, 0.3183, 0.3202



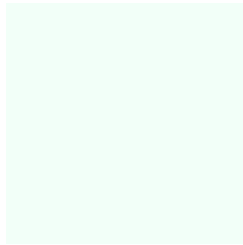
12.0844, 0.4805, 0.2421



1.1987, 0.4572, 0.2292

Previews

White Background



This preview shows how the Yxy color 97.1746, 0.3087, 0.3358 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 97.1746, 0.3087, 0.3358 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 97.1746, 0.3087, 0.3358

Background



This preview shows how black text looks on a background with the Yxy color 97.1746, 0.3087, 0.3358.

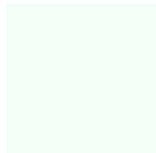


This preview shows how white text looks on a background with the Yxy color 97.1746, 0.3087, 0.3358.

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

97.1746, 0.3087, 0.3358



Protanopia

97.0317, 0.3170, 0.3319

Deuteranopia

97.2826, 0.3146, 0.3281

Tritanopia

97.3500, 0.3104, 0.3261

Trichromacy



Original Color

97.1746, 0.3087, 0.3358

Protanomaly

96.7221, 0.3138, 0.3329

Deuteranomaly

96.9098, 0.3120, 0.3300

Tritanomaly

97.2353, 0.3102, 0.3300

Monochromacy



Original Color

97.1746, 0.3087, 0.3358

Achromatopsia

95.5973, 0.3127, 0.3290

Achromatomaly

96.2345, 0.3113, 0.3319

CSS Examples

Text

The CSS property to change the color of the text to Yxy 97.1746, 0.3087, 0.3358 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(242, 255, 248)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 248)  
}
```

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(242, 255, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 248) }
```

Border

The CSS property to change the border of an element to Yxy 97.1746, 0.3087, 0.3358 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(242, 255, 248) }
```

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

```
.border{ border-color:rgb(242, 255, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 255, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 248);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 97.1746, 0.3087, 0.3358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 248) }
```

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

```
.background{ background-color: rgb(242,  
255, 248) }
```

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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