

Converting Colors

Yxy(96.9022, 0.3130, 0.3331)

Have a look what the booklet for
Yxy(96.9022, 0.3130, 0.3331)
contains.

Yxy(97.1676, 0.3131, 0.3338)	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(97.1676, 0.3131, 0.3338)

Conversions

Conversions Part 1

Format	Color
Hex	F9FDF8
RGB	249, 253, 248
RGB Percent	98%, 99%, 97%
CMY	0.0235, 0.0078, 0.0273
CMYK	0.02, 0.00, 0.02, 0.01
HSL	108°, 55%, 98%
HSV	108°, 2%, 99%
XYZ	91.1419, 97.1676, 102.7857
YIQ	251.2340, -0.7790, -2.4030

Conversions

Conversions Part 2

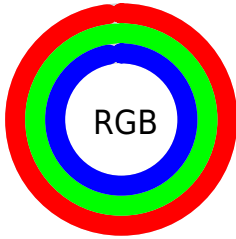
Format	Color
R _Y B	248, 253, 252
Decimal	16383480
CIE Lab	98.89, -2.18, 1.90
CIE LCh	99, 2.889, 138.914
Yxy	97.1676, 0.3131, 0.3338
Android (android.graphics.Color)	4294573560 (0xFF99FDF8)
YUV	251.2340, -1.5944, -1.9592
Hunter-Lab	98.5736, -7.4614, 7.1780

Details

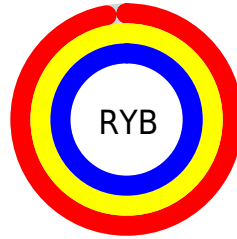
The Yxy color 97.1676, 0.3131, 0.3338 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 94.9485, 0.3123, 0.3242, and the grayscale version is 96.6933, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.6231, 0.3133, 0.3339 is the 20% darker color. If you saturate the color by 10%, you get 92.1693, 0.3150, 0.3601, and if you desaturate by 10%, it is 98.7306, 0.3128, 0.3271.

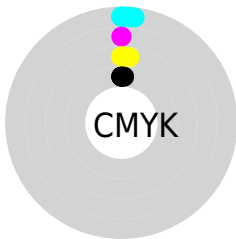
Distribution



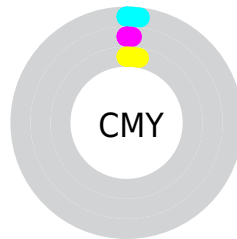
- Red (98%)
- Green (99%)
- Blue (97%)



- Red (97%)
- Yellow (99%)
- Blue (99%)



- Cyan (2%)
- Magenta (0%)
- Yellow (2%)
- Black (1%)





- Cyan (2%)
- Magenta (1%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 97.1676, 0.3131, 0.3338 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 97.1676, 0.3131, 0.3338 by changing the saturation by 10% instead.

 97.1676, 0.3131,
0.3338

 97.1676, 0.3131,
0.3338


551.0813, 0.3129,
0.3317

 73.9404, 0.3131,
0.3343


157.2559, 0.3130,
0.3331

 54.7452, 0.3132,
0.3348


194.8857, 0.3130,
0.3328

 39.1978, 0.3132,
0.3355


238.0852, 0.3130,
0.3326

 26.9136, 0.3133,
0.3364

287.2387, 0.3130,
0.3323

 17.5084, 0.3134,
0.3375

342.7307, 0.3130,
0.3322

 10.5976, 0.3135,
0.3391

404.9455, 0.3130,

 5.7970, 0.3136,

0.3320

0.3414

474.2676, 0.3129,
0.3318

■ 2.7220, 0.3139,
0.3450

■ 0.9884, 0.3142,
0.3516

■ 97.1676, 0.3131,
0.3338

■ 97.1676, 0.3131,
0.3338

■ 92.1693, 0.3150,
0.3601

98.7306, 0.3128,
0.3271

■ 87.7620, 0.3166,
0.3894

■ 83.9277, 0.3179,
0.4213

■ 80.6421, 0.3186,
0.4550

■ 77.8799, 0.3185,
0.4892

■ 75.6130, 0.3175,
0.5218

■ 73.8112, 0.3154,
0.5506

■ 72.4404, 0.3124,
0.5732

■ 71.4614, 0.3088,
0.5884

Harmonies

Analogous

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



97.1676, 0.3161, 0.3345



97.1676, 0.3131, 0.3338



97.1676, 0.3100, 0.3318

Triad

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



97.1676, 0.3131, 0.3338



97.1676, 0.3072, 0.3243



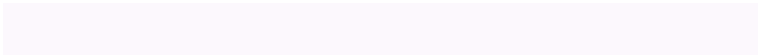
97.1676, 0.3179, 0.3290

Complementary

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



97.1676, 0.3131, 0.3338



94.9485, 0.3123, 0.3242

Split Complementary

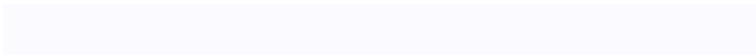
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.1676, 0.3155, 0.3263



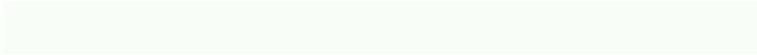
97.1676, 0.3131, 0.3338



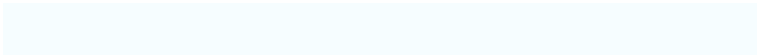
97.1676, 0.3093, 0.3236

Square

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



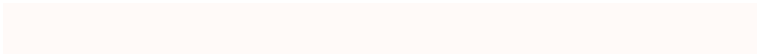
97.1676, 0.3131, 0.3338



97.1676, 0.3066, 0.3263



97.1676, 0.3123, 0.3243



97.1676, 0.3189, 0.3317

Rectangle

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



97.1676, 0.3131, 0.3338



97.1676, 0.3083, 0.3300



97.1676, 0.3123, 0.3243



97.1676, 0.3172, 0.3280

Sweetspot

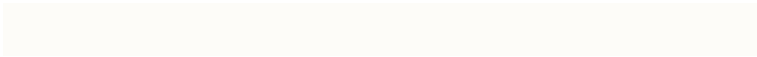
The Sweet Spot groups the original color and five complimentary colors.



97.1718, 0.3131, 0.3338



99.4502, 0.3129, 0.3314



97.2875, 0.3157, 0.3328



21.2922, 0.3129, 0.3313



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.



97.1718, 0.3131, 0.3338



98.9068, 0.3131, 0.3339



97.0859, 0.3116, 0.3324



21.1816, 0.3131, 0.3337



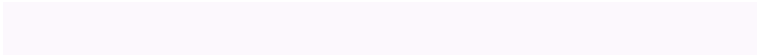
37.7744, 0.3066, 0.5948



3.7206, 0.3134, 0.5894

Inverse Universe

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



94.9485, 0.3123, 0.3242



96.5996, 0.3123, 0.3241



95.0365, 0.3138, 0.3257



20.7119, 0.3123, 0.3244



10.6126, 0.2715, 0.1269



1.0772, 0.2775, 0.1302

Previews

White Background



This preview shows how the Yxy color 97.1676, 0.3131, 0.3338 looks on a white background.

Color Contrast Check

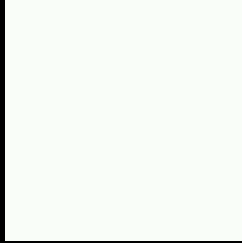
Large Text (above 18pt) WCAG AA × Fail

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 97.1676, 0.3131, 0.3338 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 97.1676, 0.3131, 0.3338

Background



This preview shows how black text looks on a background with the Yxy color 97.1676, 0.3131, 0.3338.



This preview shows how white text looks on a background with the Yxy color 97.1676, 0.3131, 0.3338.

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

97.1676, 0.3131, 0.3338

Protanopia

97.0939, 0.3164, 0.3309

Deuteranopia

97.2826, 0.3146, 0.3281

Tritanopia

96.9098, 0.3110, 0.3252

Trichromacy

Original Color

97.1676, 0.3131, 0.3338

Protanomaly

97.3430, 0.3151, 0.3319

Deuteranomaly

97.4685, 0.3139, 0.3300

Tritanomaly

97.1583, 0.3121, 0.3290

Monochromacy

Original Color

97.1676, 0.3131, 0.3338

Achromatopsia

96.4686, 0.3127, 0.3290

Achromatomaly

96.8469, 0.3126, 0.3309

CSS Examples

Text

The CSS property to change the color of the text to Yxy 97.1676, 0.3131, 0.3338 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(249, 253, 248)` looks like.

```
.text, #text, p{  
    color:rgb(249, 253, 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(249, 253, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 253, 248) }
```

Border

The CSS property to change the border of an element to Yxy 97.1676, 0.3131, 0.3338 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(249, 253, 248) }
```

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

```
.border{ border-color:rgb(249, 253, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 253, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(249, 253, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(249, 253, 248); box-shadow:4px 4px 4px 4px rgb(249, 253, 248) }
```


Background

The CSS property to change the background color of an element to Yxy 97.1676, 0.3131, 0.3338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 253, 248) }
```

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

```
.background{ background-color: rgb(249,  
253, 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](#).

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