

Converting Colors

$Y_{xy}(100.0000, 0.3393, 0.3464)$

Have a look what the booklet for
Yxy(100.0000, 0.3393, 0.3464)
contains.

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Color

Yxy(96.0806, 0.3266, 0.3475)

Conversions

Conversions Part 1

Format	Color
Hex	FFFBE8
RGB	255, 251, 232
RGB Percent	100%, 98%, 91%
CMY	0.0000, 0.0157, 0.0903
CMYK	0.00, 0.02, 0.09, 0.00
HSL	50°, 100%, 95%
HSV	50°, 9%, 100%
XYZ	90.3019, 96.0806, 90.1084
YIQ	250.0300, 8.4830, -5.0610

Conversions

Conversions Part 2

Format	Color
R _Y B	237, 255, 232
Decimal	16776168
CIE Lab	98.46, -1.84, 9.58
CIE LCh	98, 9.756, 100.892
Yxy	96.0806, 0.3266, 0.3475
Android (android.graphics.Color)	4294966248 (0xFFFFFBE8)
YUV	250.0300, -8.8888, 4.3587
Hunter-Lab	98.0207, -7.0925, 14.1104

Details

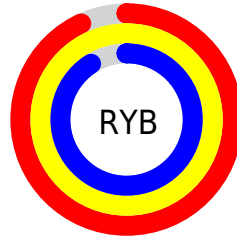
The Yxy color 96.0806, 0.3266, 0.3475 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 84.3431, 0.2986, 0.3098, and the grayscale version is 95.6935, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.1706, 0.3295, 0.3525 is the 20% darker color. If you saturate the color by 10%, you get 92.0062, 0.3429, 0.3687, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

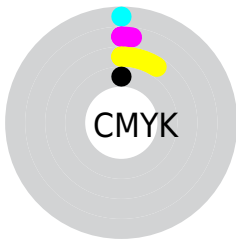
Distribution



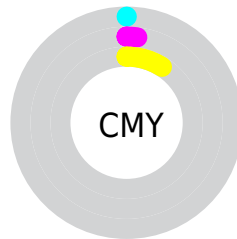
- Red (100%)
- Green (98%)
- Blue (91%)



- Red (93%)
- Yellow (100%)
- Blue (91%)



- Cyan (0%)
- Magenta (2%)
- Yellow (9%)
- Black (0%)




- Cyan (0%)
- Magenta (2%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 96.0806, 0.3266, 0.3475 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 96.0806, 0.3266, 0.3475 by changing the saturation by 10% instead.

 96.0806, 0.3266,
0.3475

 96.0806, 0.3266,
0.3475


547.6186, 0.3205,
0.3393

 73.0347, 0.3279,
0.3493


155.7566, 0.3245,
0.3447

 54.0043, 0.3295,
0.3514


193.1556, 0.3237,
0.3436

 38.6051, 0.3315,
0.3541


236.1076, 0.3230,
0.3427

 26.4527, 0.3340,
0.3575

284.9972, 0.3224,
0.3419

 17.1626, 0.3373,
0.3620

340.2087, 0.3218,
0.3411

 10.3505, 0.3417,
0.3681

402.1265, 0.3213,

 5.6320, 0.3480,

0.3405

0.3770

471.1350, 0.3209,
0.3399

■ 2.6226, 0.3579,
0.3909

■ 0.9380, 0.3962,
0.4395

■ 96.0806, 0.3266,
0.3475

■ 96.0806, 0.3266,
0.3475

■ 92.0062, 0.3429,
0.3687

100.0000, 0.3127,
0.3290

■ 88.1949, 0.3601,
0.3902

■ 84.6388, 0.3775,
0.4113

■ 81.3272, 0.3948,
0.4310

■ 78.2479, 0.4111,
0.4483

■ 75.3879, 0.4257,
0.4622

■ 72.7321, 0.4379,
0.4719

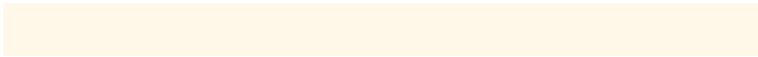
■ 70.2627, 0.4473,
0.4768

■ 67.9536, 0.4538,
0.4774

Harmonies

Analogous

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



96.0806, 0.3327, 0.3434



96.0806, 0.3266, 0.3475



96.0806, 0.3168, 0.3466

Triad

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



96.0806, 0.3266, 0.3475



96.0806, 0.2924, 0.3219



96.0806, 0.3192, 0.3177

Complementary

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



96.0806, 0.3266, 0.3475



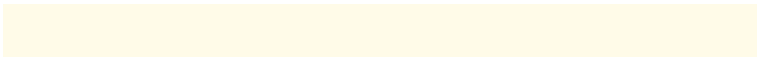
84.3431, 0.2986, 0.3098

Split Complementary

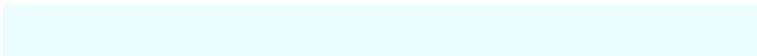
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.0806, 0.3084, 0.3122



96.0806, 0.3266, 0.3475



96.0806, 0.2931, 0.3144

Square

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



96.0806, 0.3266, 0.3475



96.0806, 0.2972, 0.3316



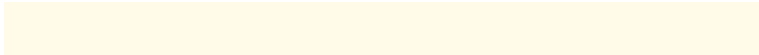
96.0806, 0.2988, 0.3109



96.0806, 0.3285, 0.3262

Rectangle

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



96.0806, 0.3266, 0.3475



96.0806, 0.3095, 0.3431



96.0806, 0.2988, 0.3109



96.0806, 0.3157, 0.3155

Sweetspot

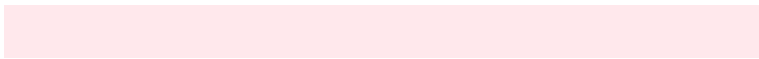
The Sweet Spot groups the original color and five complimentary colors.



96.0828, 0.3266, 0.3475



98.6734, 0.3172, 0.3351



85.0255, 0.3258, 0.3249



21.0452, 0.3184, 0.3367



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.



96.0828, 0.3266, 0.3475



95.2584, 0.3297, 0.3516



97.2478, 0.3215, 0.3516



20.5230, 0.3273, 0.3485



35.5894, 0.4537, 0.4779



3.5999, 0.4491, 0.4816

Inverse Universe

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



84.3431, 0.2986, 0.3098



81.1520, 0.2954, 0.3053



83.3149, 0.3034, 0.3060



17.8869, 0.2979, 0.3087



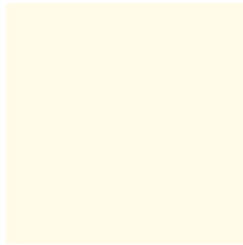
4.8699, 0.1543, 0.0753



0.6080, 0.1592, 0.0932

Previews

White Background



This preview shows how the Yxy color 96.0806, 0.3266, 0.3475 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 96.0806, 0.3266, 0.3475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

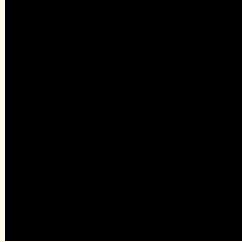
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 96.0806, 0.3266, 0.3475

Background



This preview shows how black text looks on a background with the Yxy color 96.0806, 0.3266, 0.3475.

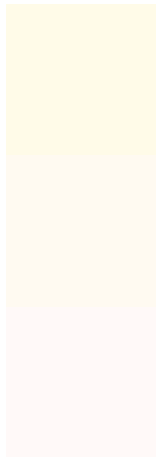


This preview shows how white text looks on a background with the Yxy color 96.0806, 0.3266, 0.3475.

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

96.0806, 0.3266, 0.3475

Protanopia

95.9821, 0.3212, 0.3377

Deuteranopia

95.7887, 0.3171, 0.3300

Tritanopia

95.8540, 0.3117, 0.3233

Trichromacy



Original Color

96.0806, 0.3266, 0.3475

Protanomaly

95.8043, 0.3230, 0.3406

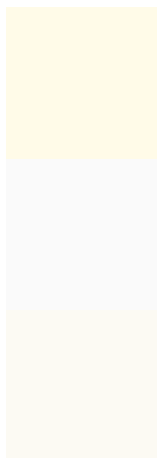
Deuteranomaly

96.0420, 0.3206, 0.3367

Tritanomaly

96.1574, 0.3170, 0.3319

Monochromacy



Original Color

96.0806, 0.3266, 0.3475

Achromatopsia

95.5973, 0.3127, 0.3290

Achromatomaly

95.5377, 0.3181, 0.3358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.0806, 0.3266, 0.3475 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 $rgb(255, 251, 232)$ looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 232)  
}
```

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(255, 251, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 232) }
```

Border

The CSS property to change the border of an element to Yxy 96.0806, 0.3266, 0.3475 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(255, 251, 232) }
```

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

```
.border{ border-color:rgb(255, 251, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 251, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 96.0806, 0.3266, 0.3475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 232) }
```

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

```
.background{ background-color: rgb(255,  
251, 232) }
```

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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