

Converting Colors

$Y_{xy}(100.0000, 0.3188, 0.3488)$

Have a look what the booklet for
Yxy(100.0000, 0.3188, 0.3488)
contains.

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Color

Yxy(97.8328, 0.3188, 0.3456)

Conversions

Conversions Part 1

Format	Color
Hex	F9FFEE
RGB	249, 255, 238
RGB Percent	98%, 100%, 93%
CMY	0.0237, 0.0000, 0.0667
CMYK	0.02, 0.00, 0.07, 0.00
HSL	81°, 100%, 97%
HSV	81°, 7%, 100%
XYZ	90.2462, 97.8328, 95.0020
YIQ	251.2680, 1.8810, -6.5590

Conversions

Conversions Part 2

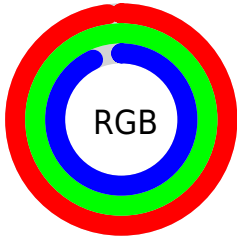
Format	Color
R _Y B	238, 255, 244
Decimal	16383982
CIE Lab	99.16, -4.93, 7.43
CIE LCh	99, 8.917, 123.532
Yxy	97.8328, 0.3188, 0.3456
Android (android.graphics.Color)	4294574062 (0xFFFF9FFEE)
YUV	251.2680, -6.5411, -1.9890
Hunter-Lab	98.9105, -10.2293, 12.2902

Details

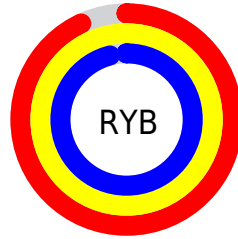
The Yxy color 97.8328, 0.3188, 0.3456 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 87.5970, 0.3063, 0.3123, and the grayscale version is 96.7449, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 55.1030, 0.3205, 0.3488 is the 20% darker color. If you saturate the color by 10%, you get 94.8068, 0.3280, 0.3719, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

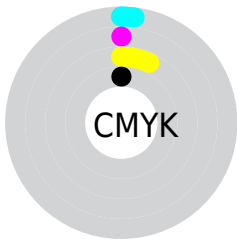
Distribution



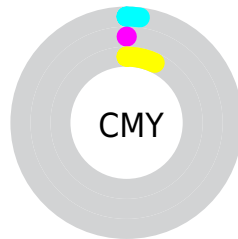
- Red (98%)
- Green (100%)
- Blue (93%)



- Red (93%)
- Yellow (100%)
- Blue (96%)



- Cyan (2%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (2%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 97.8328, 0.3188, 0.3456 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 97.8328, 0.3188, 0.3456 by changing the saturation by 10% instead.

 97.8328, 0.3188,
0.3456

 97.8328, 0.3188,
0.3456


553.1947, 0.3162,
0.3383

 74.4949, 0.3194,
0.3472

158.1725, 0.3179,
0.3431

 55.1992, 0.3200,
0.3492


195.9431, 0.3176,
0.3421

 39.5613, 0.3209,
0.3516


239.2935, 0.3173,
0.3413

 27.1966, 0.3219,
0.3546

288.6079, 0.3170,
0.3405

 17.7210, 0.3233,
0.3587

344.2709, 0.3167,
0.3399

 10.7498, 0.3251,
0.3642

406.6667, 0.3165,

 5.8989, 0.3277,

0.3393

0.3723

476.1798, 0.3163,
0.3387

■ 2.7837, 0.3316,
0.3852

■ 1.0199, 0.3446,
0.4168

■ 97.8328, 0.3188,
0.3456

■ 97.8328, 0.3188,
0.3456

■ 94.8068, 0.3280,
0.3719

100.0000, 0.3127,
0.3290

■ 92.0718, 0.3370,
0.3996

■ 89.6086, 0.3454,
0.4281

■ 87.4057, 0.3527,
0.4563

■ 85.4509, 0.3585,
0.4830

■ 83.7303, 0.3622,
0.5070

■ 82.2288, 0.3635,
0.5270

■ 80.9284, 0.3622,
0.5421

■ 79.8071, 0.3586,
0.5520

Harmonies

Analogous

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



97.8328, 0.3271, 0.3453



97.8328, 0.3188, 0.3456



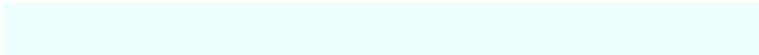
97.8328, 0.3090, 0.3413

Triad

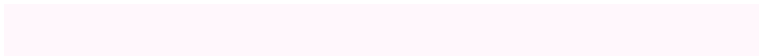
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



97.8328, 0.3188, 0.3456



97.8328, 0.2942, 0.3171



97.8328, 0.3252, 0.3244

Complementary

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



97.8328, 0.3188, 0.3456



87.5970, 0.3063, 0.3123

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.



97.8328, 0.3163, 0.3172



97.8328, 0.3188, 0.3456



97.8328, 0.2984, 0.3129

Square

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



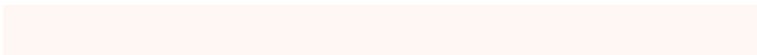
97.8328, 0.3188, 0.3456



97.8328, 0.2949, 0.3246



97.8328, 0.3065, 0.3130



97.8328, 0.3309, 0.3329

Rectangle

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



97.8328, 0.3188, 0.3456



97.8328, 0.3029, 0.3364



97.8328, 0.3065, 0.3130



97.8328, 0.3225, 0.3218

Sweetspot

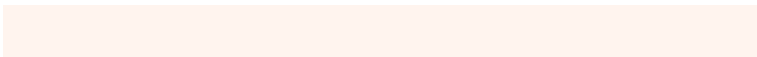
The Sweet Spot groups the original color and five complimentary colors.



97.8243, 0.3188, 0.3456



99.3341, 0.3145, 0.3339



92.0970, 0.3236, 0.3348



21.2686, 0.3144, 0.3336



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.



97.8243, 0.3188, 0.3456



97.4073, 0.3200, 0.3490



96.3113, 0.3135, 0.3458



20.7493, 0.3214, 0.3529



41.6080, 0.3581, 0.5538



4.1125, 0.3651, 0.5483

Inverse Universe

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



87.5970, 0.3063, 0.3123



85.2572, 0.3050, 0.3088



89.1386, 0.3118, 0.3126



17.6914, 0.3034, 0.3048



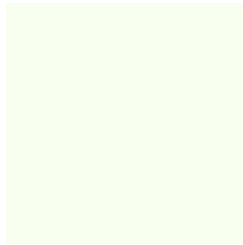
4.9977, 0.1773, 0.0751



0.5452, 0.1897, 0.0819

Previews

White Background



This preview shows how the Yxy color 97.8328, 0.3188, 0.3456 looks on a white background.

Color Contrast Check

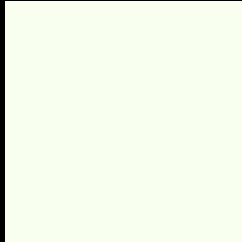
Large Text (above 18pt) WCAG AA × Fail

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 97.8328, 0.3188, 0.3456 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 97.8328, 0.3188, 0.3456

Background



This preview shows how black text looks on a background with the Yxy color 97.8328, 0.3188, 0.3456.

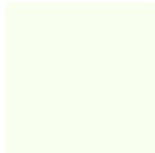


This preview shows how white text looks on a background with the Yxy color 97.8328, 0.3188, 0.3456.

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

97.8328, 0.3188, 0.3456



Protanopia

97.6581, 0.3169, 0.3328

Deuteranopia

97.9091, 0.3146, 0.3290

Tritanopia

97.7235, 0.3116, 0.3261

Trichromacy



Original Color

97.8328, 0.3188, 0.3456

Protanomaly

97.6649, 0.3180, 0.3377

Deuteranomaly

97.8486, 0.3162, 0.3348

Tritanomaly

97.7856, 0.3144, 0.3328

Monochromacy



Original Color

97.8328, 0.3188, 0.3456

Achromatopsia

96.4686, 0.3127, 0.3290

Achromatomaly

96.5986, 0.3150, 0.3348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 97.8328, 0.3188, 0.3456 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, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(249, 255, 238)  
}
```

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, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 255, 238) }
```

Border

The CSS property to change the border of an element to Yxy 97.8328, 0.3188, 0.3456 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, 255, 238) }
```

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

```
.border{ border-color:rgb(249, 255, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 255, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(249, 255,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 97.8328, 0.3188, 0.3456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 255, 238) }
```

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

```
.background{ background-color: rgb(249,  
255, 238) }
```

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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