Converting Colors

Yxy(100.0000, 0.3198, 0.3554)

Have a look what the booklet for Yxy(100.0000, 0.3198, 0.3554) contains.

Color

Yxy(96.9960, 0.3198, 0.3506)

Conversions

Format	Color
Hex	F6FFE9
RGB	246, 255, 233
RGB Percent	96%, 100%, 91%
CMY	0.0354, 0.0000, 0.0861
CMYK	0.04, 0.00, 0.09, 0.00
HSL	85°, 100%, 96%
HSV	85°, 9%, 100%
XYZ	88.4750, 96.9960, 91.1862
YIQ	249.8010, 1.6980, -8.7500

Conversions Part 1

Conversions

Conversions Part 2

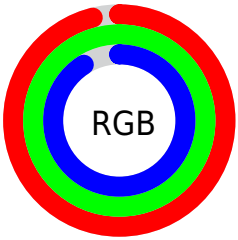
Format	Color
RYB	233, 255, 242
Decimal	16187369
CIELab	98.83, -6.74, 9.46
CIELCh	99, 11.616, 125.484
Yxy	96.9960, 0.3198, 0.3506
Android (android.graphics.Color)	4294377449 (0xFFF6FFE9)
YUV	249.8010, -8.2829, -3.3335
Hunter-Lab	98.4865, -11.9968, 14.0455

Details

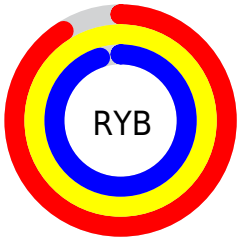
The Yxy color 96.9960, 0.3198, 0.3506 is a light color, and the websafe version is hex FFFFFF. A complement of this color would be 84.4155, 0.3052, 0.3073, and the grayscale version is 95.4937, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.5096, 0.3218, 0.3554 is the 20% darker color. If you saturate the color by 10%, you get 93.8009, 0.3280, 0.3774, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

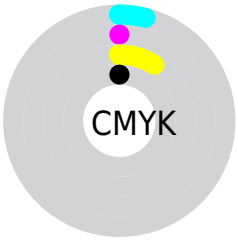
Distribution



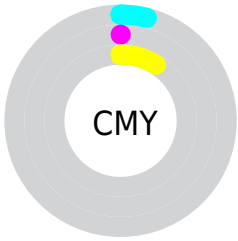
- Red (96%)
- Green (100%)
- Blue (91%)



- Red (91%)
- Yellow (100%)
- Blue (95%)



- Cyan (4%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)



- Cyan (4%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 96.9960, 0.3198, 0.3506 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 96.9960, 0.3198, 0.3506 by changing the saturation by 10% instead.

96.9960, 0.3198, 0.3506

96.9960, 0.3198, 0.3506

550.5354, 0.3167, 0.3410

73.7974, 0.3205, 0.3527

157.0193, 0.3188, 0.3473

54.6282, 0.3212, 0.3553

194.6127, 0.3184, 0.3461

39.1041, 0.3222, 0.3585

237.7732, 0.3180, 0.3449

26.8407, 0.3234, 0.3625

286.8852, 0.3177, 0.3440

17.4536, 0.3249, 0.3679

342.3330, 0.3174, 0.3431

10.5585, 0.3270, 0.3752

404.5010, 0.3172,

5.7708, 0.3298,

0.3423

473.7737, 0.3169, 0.3416

0.3860

2.7062, 0.3340, 0.4034

0.9803, 0.3559, 0.4566

96.9960, 0.3198, 0.3506

93.8009, 0.3280, 0.3774

90.9125, 0.3360, 0.4058

88.3194, 0.3432, 0.4349

86.0093, 0.3493, 0.4637

96.9960, 0.3198, 0.3506

100.0000, 0.3127, 0.3290

83.9690, 0.3537, 0.4911

82.1837, 0.3561, 0.5155

80.6370, 0.3561, 0.5357

79.3097, 0.3536, 0.5507

78.1752, 0.3490, 0.5605

Harmonies

Analogous

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

96.9960, 0.3309, 0.3505

96.9960, 0.3198, 0.3506

96.9960, 0.3070, 0.3446

Triad

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

96.9960, 0.3198, 0.3506

96.9960, 0.2888, 0.3129

96.9960, 0.3297, 0.3237

Complementary

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

96.9960, 0.3198, 0.3506

84.4155, 0.3052, 0.3073

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.

96.9960, 0.3182, 0.3142

96.9960, 0.3198, 0.3506

96.9960, 0.2946, 0.3079

Square

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

96.9960, 0.3198, 0.3506

96.9960, 0.2893, 0.3225

96.9960, 0.3053, 0.3084

96.9960, 0.3368, 0.3347

Rectangle

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

96.9960, 0.3198, 0.3506

96.9960, 0.2992, 0.3379

96.9960, 0.3053, 0.3084

96.9960, 0.3262, 0.3202

Sweetspot

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

96.9960, 0.3198, 0.3506

98.9259, 0.3152, 0.3364

90.5494, 0.3268, 0.3376

21.1138, 0.3158, 0.3384

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.

96.9960, 0.3198, 0.3506

96.5323, 0.3210, 0.3542

95.1101, 0.3130, 0.3510

20.6970, 0.3205, 0.3529

40.8608, 0.3494, 0.5608

4.0425, 0.3571, 0.5547

Inverse Universe

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

84.4155, 0.3052, 0.3073

82.0566, 0.3039, 0.3036

86.3725, 0.3123, 0.3077

17.7421, 0.3043, 0.3049

5.4161, 0.1860, 0.0798

0.5894, 0.1986, 0.0867

Previews

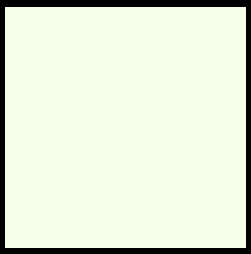
White Background

This preview shows how the Yxy color 96.9960, 0.3198, 0.3506 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



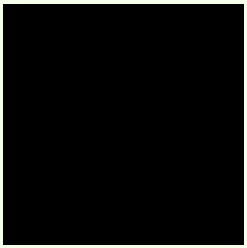
This preview shows how the Yxy color 96.9960, 0.3198, 0.3506 looks on a black background.

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 96.9960, 0.3198, 0.3506 Background



This preview shows how black text looks on a background with the Yxy color 96.9960, 0.3198, 0.3506.

This preview shows how white text looks on a background with the Yxy color 96.9960, 0.3198, 0.3506.

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
96.9960, 0.3198, 0.3506

Protanopia
96.7860, 0.3194, 0.3357

Deuteranopia
97.1565, 0.3158, 0.3300

Tritanopia
96.9098, 0.3110, 0.3252

Trichromacy

Original Color
96.9960, 0.3198, 0.3506

Protanomaly
96.6075, 0.3198, 0.3407

Deuteranomaly
96.8479, 0.3174, 0.3367

Tritanomaly
96.6602, 0.3144, 0.3338

Monochromacy

Original Color
96.9960, 0.3198, 0.3506

Achromatopsia
95.5973, 0.3127, 0.3290

Achromatomaly
96.2922, 0.3155, 0.3368

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.9960, 0.3198, 0.3506 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(246, 255, 233) looks like.

```
.text, #text, p{
    color:rgb(246, 255, 233)
}
```

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(246, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 255, 233) }
```

Border

The CSS property to change the border of an element to Yxy 96.9960, 0.3198, 0.3506 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(246, 255, 233) }
```

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

```
.border{ border-color:rgb(246, 255, 233) }
```

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

Here you see how a box with a 4 pixel rgb(246, 255, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(246, 255, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(246, 255, 233); box-shadow:4px 4px 4px 4px rgb(246, 255, 233) }
```

Background

The CSS property to change the background color of an element to Yxy 96.9960, 0.3198, 0.3506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(246, 255, 233) }
```

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

```
.background{ background-color:rgb(246,
255, 233) }
```

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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