

Converting Colors

$Y_{xy}(100.0000, 0.3192, 0.3425)$

Have a look what the booklet for
Yxy(100.0000, 0.3192, 0.3425)
contains.

Yxy(99.0016, 0.3196, 0.3415)	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(99.0016, 0.3196, 0.3415)

Conversions

Conversions Part 1

Format	Color
Hex	FEFFF2
RGB	254, 255, 242
RGB Percent	100%, 100%, 95%
CMY	0.0041, 0.0000, 0.0509
CMYK	0.00, 0.00, 0.05, 0.00
HSL	65°, 100%, 97%
HSV	65°, 5%, 100%
XYZ	92.6527, 99.0016, 98.2479
YIQ	253.2190, 3.5770, -4.2550

Conversions

Conversions Part 2

Format	Color
R_{YB}	242, 255, 243
Decimal	16711666
CIE _{Lab}	99.61, -2.56, 6.07
CIE _{LCh}	100, 6.588, 112.910
Y _{xy}	99.0016, 0.3196, 0.3415
Android (android.graphics.Color)	4294901746 (0xFFFEFF2)
YUV	253.2190, -5.5310, 0.6849
Hunter-Lab	99.4995, -7.9072, 11.1055

Details

The Yxy color 99.0016, 0.3196, 0.3415 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.8039, 0.3056, 0.3163, and the grayscale version is 98.4566, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 55.8037, 0.3208, 0.3437 is the 20% darker color. If you saturate the color by 10%, you get 97.1874, 0.3334, 0.3668, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

Distribution



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



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



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 99.0016, 0.3196, 0.3415 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 99.0016, 0.3196, 0.3415 by changing the saturation by 10% instead.


 99.0016, 0.3196,
0.3415

 99.0016, 0.3196,
0.3415

556.8979, 0.3166,
0.3360

 75.4699, 0.3202,
0.3427


159.7816, 0.3186,
0.3396

 55.9980, 0.3210,
0.3441

197.7987, 0.3182,
0.3389

 40.2013, 0.3220,
0.3459


241.4131, 0.3178,
0.3383

 27.6955, 0.3232,
0.3482

291.0091, 0.3175,
0.3377

 18.0963, 0.3248,
0.3512

346.9713, 0.3173,
0.3372

 11.0191, 0.3269,
0.3552

409.6838, 0.3170,

 6.0797, 0.3299,

0.3368

0.3611

479.5312, 0.3168,
0.3364

■ 2.8936, 0.3346,
0.3703

■ 1.0764, 0.3449,
0.3894

■ 99.0016, 0.3196,
0.3415

■ 99.0016, 0.3196,
0.3415

■ 97.1874, 0.3334,
0.3668

100.0000, 0.3127,
0.3290

■ 95.5873, 0.3473,
0.3927

■ 94.1867, 0.3609,
0.4182

■ 92.9755, 0.3734,
0.4426

■ 91.9427, 0.3845,
0.4648

■ 91.0759, 0.3935,
0.4837

■ 90.3614, 0.4000,
0.4985

■ 89.7832, 0.4039,
0.5088

■ 89.3213, 0.4052,
0.5147

Harmonies

Analogous

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



99.0016, 0.3248, 0.3401



99.0016, 0.3196, 0.3415



99.0016, 0.3126, 0.3395

Triad

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



99.0016, 0.3196, 0.3415



99.0016, 0.2988, 0.3220



99.0016, 0.3198, 0.3236

Complementary

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



99.0016, 0.3196, 0.3415



89.8039, 0.3056, 0.3163

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.



99.0016, 0.3128, 0.3189



99.0016, 0.3196, 0.3415



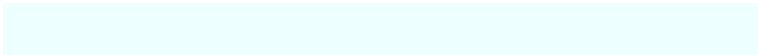
99.0016, 0.3007, 0.3179

Square

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



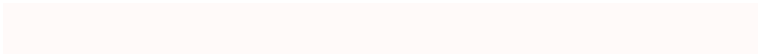
99.0016, 0.3196, 0.3415



99.0016, 0.3006, 0.3281



99.0016, 0.3058, 0.3168



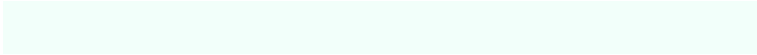
99.0016, 0.3250, 0.3297

Rectangle

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



99.0016, 0.3196, 0.3415



99.0016, 0.3078, 0.3364



99.0016, 0.3058, 0.3168



99.0016, 0.3176, 0.3218

Sweetspot

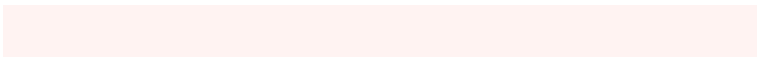
The Sweet Spot groups the original color and five complimentary colors.



98.9964, 0.3196, 0.3415



99.5988, 0.3154, 0.3339



91.7071, 0.3212, 0.3299



21.3224, 0.3153, 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.



98.9964, 0.3196, 0.3415



98.8226, 0.3208, 0.3438



97.8243, 0.3156, 0.3416



21.1257, 0.3217, 0.3454



46.5997, 0.4054, 0.5163



4.5582, 0.4071, 0.5150

Inverse Universe

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



89.8039, 0.3056, 0.3163



88.0505, 0.3043, 0.3139



90.9477, 0.3097, 0.3164



18.5804, 0.3034, 0.3122



3.8764, 0.1525, 0.0614



0.4001, 0.1579, 0.0643

Previews

White Background



This preview shows how the Yxy color 99.0016, 0.3196, 0.3415 looks on a white background.

Color Contrast Check

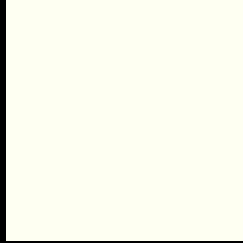
Large Text (above 18pt) WCAG AA × Fail

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 99.0016, 0.3196, 0.3415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

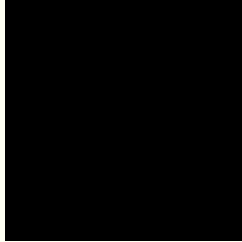
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 99.0016, 0.3196, 0.3415

Background



This preview shows how black text looks on a background with the Yxy color 99.0016, 0.3196, 0.3415.



This preview shows how white text looks on a background with the Yxy color 99.0016, 0.3196, 0.3415.

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

99.0016, 0.3196, 0.3415

Protanopia

99.1719, 0.3145, 0.3309

Deuteranopia

99.2994, 0.3133, 0.3290

Tritanopia

99.1745, 0.3121, 0.3280

Trichromacy

Original Color

99.0016, 0.3196, 0.3415

Protanomaly

98.9209, 0.3168, 0.3347

Deuteranomaly

99.0457, 0.3157, 0.3328

Tritanomaly

98.8566, 0.3150, 0.3328

Monochromacy

Original Color

99.0016, 0.3196, 0.3415

Achromatopsia

98.2251, 0.3127, 0.3290

Achromatomaly

98.6058, 0.3150, 0.3338

CSS Examples

Text

The CSS property to change the color of the text to Yxy 99.0016, 0.3196, 0.3415 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(254, 255, 242)` looks like.

```
.text, #text, p{  
    color:rgb(254, 255, 242)  
}
```

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(254, 255, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 255, 242) }
```

Border

The CSS property to change the border of an element to Yxy 99.0016, 0.3196, 0.3415 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(254, 255, 242) }
```

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

```
.border{ border-color:rgb(254, 255, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 255, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 255, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 255, 242);  
box-shadow:4px 4px 4px 4px rgb(254, 255,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 99.0016, 0.3196, 0.3415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 255, 242) }
```

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

```
.background{ background-color: rgb(254,  
255, 242) }
```

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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