

Converting Colors

$Y_{xy}(99.7225, 0.3152, 0.3332)$

Have a look what the booklet for
Yxy(99.7225, 0.3152, 0.3332)
contains.

Yxy(99.7450, 0.3150, 0.3328)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Yxy(99.7450, 0.3150, 0.3328)

Conversions

Conversions Part 1

Format	Color
Hex	FFFFFFB
RGB	255, 255, 251
RGB Percent	100%, 100%, 98%
CMY	0.0001, 0.0000, 0.0156
CMYK	0.00, 0.00, 0.02, 0.00
HSL	60°, 100%, 99%
HSV	60°, 2%, 100%
XYZ	94.4101, 99.7450, 105.5595
YIQ	254.5440, 1.2840, -1.2440

Conversions

Conversions Part 2

Format	Color
RYB	251, 255, 251
Decimal	16777211
CIELab	99.90, -0.69, 1.89
CIElCh	100, 2.009, 110.204
Yxy	99.7450, 0.3150, 0.3328
Android (android.graphics.Color)	4294967291 (0xFFFFFFFFB)
YUV	254.5440, -1.7472, 0.3999
Hunter-Lab	99.8724, -6.0395, 7.2445

Details

The Yxy color 99.7450, 0.3150, 0.3328 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 96.7437, 0.3104, 0.3252, and the grayscale version is 99.6056, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 56.3341, 0.3149, 0.3326 is the 20% darker color. If you saturate the color by 10%, you get 98.2217, 0.3300, 0.3577, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

Distribution



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



- Red (98%)
- Yellow (100%)
- Blue (98%)



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



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 99.7450, 0.3150, 0.3328 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 99.7450, 0.3150, 0.3328 by changing the saturation by 10% instead.

99.7450, 0.3150,
0.3328

99.7450, 0.3150,
0.3328


559.2467, 0.3140,
0.3311

 76.0904, 0.3152,
0.3332


160.8041, 0.3147,
0.3322

 56.5067, 0.3155,
0.3336


198.9774, 0.3145,
0.3320

 40.6093, 0.3158,
0.3341


242.7590, 0.3144,
0.3318

 28.0139, 0.3162,
0.3348

292.5334, 0.3143,
0.3317

 18.3362, 0.3167,
0.3357

348.6850, 0.3142,
0.3315

 11.1916, 0.3174,
0.3369

411.5982, 0.3141,

 6.1959, 0.3185,

0.3314

0.3386

481.6572, 0.3141,
0.3313

■ 2.9645, 0.3200,
0.3413

■ 1.1132, 0.3228,
0.3461

■ 99.7450, 0.3150,
0.3328

99.7450, 0.3150,
0.3328

■ 98.2217, 0.3300,
0.3577

100.0000, 0.3127,
0.3290

■ 96.9081, 0.3452,
0.3830

■ 95.7934, 0.3603,
0.4081

■ 94.8677, 0.3747,
0.4321

■ 94.1203, 0.3878,
0.4539

■ 93.5395, 0.3989,
0.4725

■ 93.1121, 0.4077,
0.4872

■ 92.8229, 0.4138,
0.4975

■ 92.6538, 0.4173,
0.5035

Harmonies

Analogous

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

99.7450, 0.3165, 0.3323

99.7450, 0.3150, 0.3328

99.7450, 0.3129, 0.3323

Triad

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

99.7450, 0.3150, 0.3328

99.7450, 0.3085, 0.3271

99.7450, 0.3147, 0.3272

Complementary

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

99.7450, 0.3150, 0.3328

96.7437, 0.3104, 0.3252

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.

99.7450, 0.3125, 0.3258

99.7450, 0.3150, 0.3328

99.7450, 0.3090, 0.3257

Square

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



99.7450, 0.3150, 0.3328



99.7450, 0.3091, 0.3290



99.7450, 0.3104, 0.3253



99.7450, 0.3163, 0.3291

Rectangle

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



99.7450, 0.3150, 0.3328



99.7450, 0.3114, 0.3314



99.7450, 0.3104, 0.3253



99.7450, 0.3140, 0.3267

Sweetspot

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



99.7432, 0.3150, 0.3328

100.0000, 0.3127, 0.3290



97.2339, 0.3152, 0.3290



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



99.7432, 0.3150, 0.3328



99.6719, 0.3156, 0.3339



99.3710, 0.3138, 0.3328



21.3373, 0.3155, 0.3336



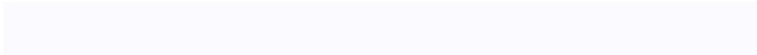
48.3773, 0.4186, 0.5058



4.7115, 0.4187, 0.5058

Inverse Universe

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



96.7437, 0.3104, 0.3252



95.8385, 0.3098, 0.3241



97.1121, 0.3116, 0.3252



20.5570, 0.3099, 0.3243



3.7777, 0.1501, 0.0601



0.3690, 0.1504, 0.0602

Previews

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 99.7450, 0.3150, 0.3328 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 99.7450, 0.3150, 0.3328

Background



This preview shows how black text looks on a background with the Yxy color 99.7450, 0.3150, 0.3328.

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

99.7450, 0.3150, 0.3328

Protanopia

99.9358, 0.3133, 0.3300

Deuteranopia

100.0000, 0.3127, 0.3290

Tritanopia

100.0000, 0.3127, 0.3290

Trichromacy

Original Color

99.7450, 0.3150, 0.3328

Protanomaly

99.8718, 0.3139, 0.3309

Deuteranomaly

99.9358, 0.3133, 0.3300

Tritanomaly

99.9358, 0.3133, 0.3300

Monochromacy

Original Color

99.7450, 0.3150, 0.3328

Achromatopsia

100.0000, 0.3127, 0.3290

Achromatomaly

99.9358, 0.3133, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 99.7450, 0.3150, 0.3328 is called "color". The color property can be set on classes, ids or directly on the HTML element.

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

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, 255, 251) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 99.7450, 0.3150, 0.3328 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, 255, 251) }
```

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

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

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

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

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

Background

The CSS property to change the background color of an element to Yxy 99.7450, 0.3150, 0.3328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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