

# Converting Colors

$Y_{xy}(117.9956, 0.3518, 0.3535)$

Have a look what the booklet for  
Yxy(117.9956, 0.3518, 0.3535)  
contains.

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# Color

**Yxy(99.0120, 0.3220, 0.3444)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFFFFE7
RGB	255, 255, 239
RGB Percent	100%, 100%, 94%
CMY	0.0001, 0.0000, 0.0627
CMYK	0.00, 0.00, 0.06, 0.00
HSL	60°, 100%, 97%
HSV	60°, 6%, 100%
XYZ	92.5722, 99.0120, 95.9071
YIQ	253.1760, 5.1360, -4.9760

# Conversions

## Conversions Part 2

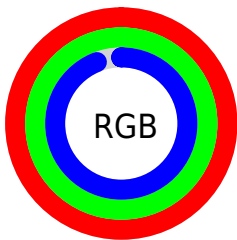
Format	Color
R <sub>Y</sub> B	239, 255, 239
Decimal	16777199
CIE Lab	99.62, -2.73, 7.62
CIE LCh	100, 8.095, 109.677
Yxy	99.0120, 0.3220, 0.3444
Android (android.graphics.Color)	4294967279 (0xFFFFFFFF)
YUV	253.1760, -6.9888, 1.5996
Hunter-Lab	99.5048, -8.0696, 12.5070

# Details

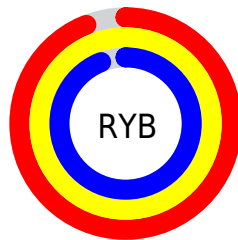
The Yxy color 99.0120, 0.3220, 0.3444 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 87.3245, 0.3031, 0.3131, and the grayscale version is 98.4297, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 55.8128, 0.3238, 0.3474 is the 20% darker color. If you saturate the color by 10%, you get 97.5934, 0.3372, 0.3696, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

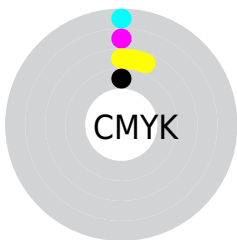
# Distribution



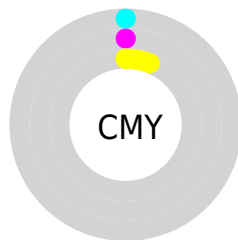
- Red (100%)
- Green (100%)
- Blue (94%)



- Red (94%)
- Yellow (100%)
- Blue (94%)



- Cyan (0%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 99.0120, 0.3220, 0.3444 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 99.0120, 0.3220, 0.3444 by changing the saturation by 10% instead.




 99.0120, 0.3220,  
0.3444

 99.0120, 0.3220,  
0.3444


556.9308, 0.3180,  
0.3376

 75.4786, 0.3229,  
0.3459

159.7959, 0.3206,  
0.3421

 56.0051, 0.3239,  
0.3477


197.8152, 0.3201,  
0.3412

 40.2070, 0.3252,  
0.3499


241.4319, 0.3196,  
0.3404

 27.7000, 0.3268,  
0.3527

291.0305, 0.3192,  
0.3397

 18.0996, 0.3290,  
0.3563

346.9952, 0.3188,  
0.3391

 11.0215, 0.3318,  
0.3613

409.7106, 0.3185,

 6.0813, 0.3359,

0.3386

0.3685

479.5610, 0.3182,  
0.3381

■ 2.8946, 0.3422,  
0.3799

■ 1.0770, 0.3580,  
0.4060

■ 99.0120, 0.3220,  
0.3444

■ 99.0120, 0.3220,  
0.3444


■ 97.5934, 0.3372,  
0.3696


100.0000, 0.3127,  
0.3290


■ 96.3840, 0.3525,  
0.3949


■ 95.3689, 0.3673,  
0.4196


■ 94.5380, 0.3812,  
0.4426

 93.8799, 0.3935,  
0.4630

 93.3824, 0.4036,  
0.4798

 93.0315, 0.4112,  
0.4925

 92.8106, 0.4161,  
0.5007

 92.6995, 0.4184,  
0.5047

# Harmonies

## Analogous

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



99.0120, 0.3281, 0.3422



99.0120, 0.3220, 0.3444



99.0120, 0.3135, 0.3424

# Triad

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



99.0120, 0.3220, 0.3444



99.0120, 0.2957, 0.3211



99.0120, 0.3206, 0.3216

# Complementary

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



99.0120, 0.3220, 0.3444



87.3245, 0.3031, 0.3131

# 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.



99.0120, 0.3118, 0.3161



99.0120, 0.3220, 0.3444



99.0120, 0.2975, 0.3158

# Square

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



99.0120, 0.3220, 0.3444



99.0120, 0.2984, 0.3288



99.0120, 0.3034, 0.3140



99.0120, 0.3273, 0.3290



# Rectangle

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



99.0120, 0.3220, 0.3444



99.0120, 0.3076, 0.3389



99.0120, 0.3034, 0.3140



99.0120, 0.3177, 0.3195

# Sweetspot

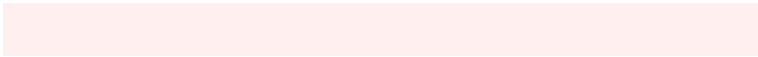
The Sweet Spot groups the original color and five complimentary colors.



99.0065, 0.3220, 0.3444



99.6737, 0.3157, 0.3339



89.2375, 0.3233, 0.3290



21.3377, 0.3155, 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.



99.0065, 0.3220, 0.3444



98.7466, 0.3246, 0.3487



97.5291, 0.3170, 0.3446



21.0886, 0.3269, 0.3525



48.4255, 0.4189, 0.5056



4.7157, 0.4190, 0.5055



# Inverse Universe

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



87.3245, 0.3031, 0.3131



84.0096, 0.3003, 0.3085



88.7403, 0.3082, 0.3134



17.3797, 0.2979, 0.3044



3.7753, 0.1501, 0.0600



0.3682, 0.1502, 0.0601



# Previews

## White Background



This preview shows how the Yxy color 99.0120, 0.3220, 0.3444 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

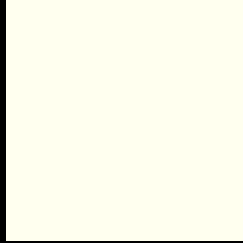
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 99.0120, 0.3220, 0.3444 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

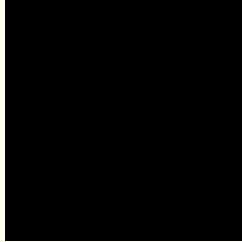
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 99.0120, 0.3220, 0.3444**

## **Background**



This preview shows how black text looks on a background with the Yxy color 99.0120, 0.3220, 0.3444.



This preview shows how white text looks on a background with the Yxy color 99.0120, 0.3220, 0.3444.

# 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

99.0120, 0.3220, 0.3444

### Protanopia

99.1719, 0.3145, 0.3309

### Deuteranopia

99.2355, 0.3139, 0.3300

## Tritanopia

99.1745, 0.3121, 0.3280

# Trichromacy



**Original Color**

99.0120, 0.3220, 0.3444

**Protanomaly**

98.8590, 0.3174, 0.3357

**Deuteranomaly**

98.9209, 0.3168, 0.3347

**Tritanomaly**

98.7940, 0.3156, 0.3338

# Monochromacy



**Original Color**

99.0120, 0.3220, 0.3444

**Achromatopsia**

98.2251, 0.3127, 0.3290

**Achromatomaly**

98.7318, 0.3162, 0.3348

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 99.0120, 0.3220, 0.3444 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, 255, 239)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 239)  
}
```

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, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 239) }
```

## Border

The CSS property to change the border of an element to Yxy 99.0120, 0.3220, 0.3444 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, 239) }
```

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

```
.border{ border-color:rgb(255, 255, 239) }
```

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, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
239) }
```



# Background

The CSS property to change the background color of an element to Yxy 99.0120, 0.3220, 0.3444 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, 239) }
```

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

```
.background{ background-color: rgb(255,  
255, 239) }
```

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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