

Converting Colors

$Y_{xy}(104.7091, 0.3496, 0.3442)$

Have a look what the booklet for
Yxy(104.7091, 0.3496, 0.3442)
contains.

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Color

Yxy(96.8790, 0.3247, 0.3455)

Conversions

Conversions Part 1

Format	Color
Hex	FFFCEB
RGB	255, 252, 235
RGB Percent	100%, 99%, 92%
CMY	0.0000, 0.0117, 0.0785
CMYK	0.00, 0.01, 0.08, 0.00
HSL	51°, 100%, 96%
HSV	51°, 8%, 100%
XYZ	91.0466, 96.8790, 92.4767
YIQ	250.9590, 7.2450, -4.6510

Conversions

Conversions Part 2

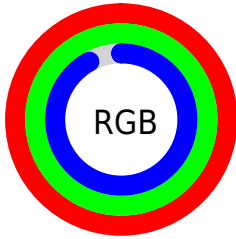
Format	Color
R _Y B	239, 255, 235
Decimal	16776427
CIE Lab	98.78, -1.86, 8.49
CIE LCh	99, 8.695, 102.343
Yxy	96.8790, 0.3247, 0.3455
Android (android.graphics.Color)	4294966507 (0xFFFFFCEB)
YUV	250.9590, -7.8678, 3.5440
Hunter-Lab	98.4271, -7.1322, 13.1934

Details

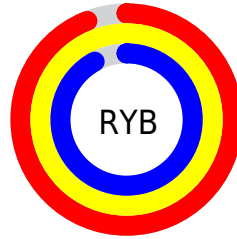
The Yxy color 96.8790, 0.3247, 0.3455 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 86.0088, 0.3006, 0.3119, and the grayscale version is 96.4945, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.2907, 0.3272, 0.3487 is the 20% darker color. If you saturate the color by 10%, you get 93.1386, 0.3408, 0.3672, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

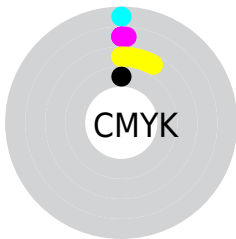
Distribution



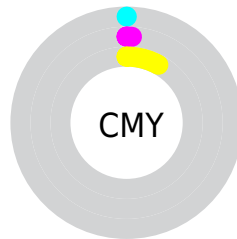
- Red (100%)
- Green (99%)
- Blue (92%)



- Red (94%)
- Yellow (100%)
- Blue (92%)



- Cyan (0%)
- Magenta (1%)
- Yellow (8%)
- Black (0%)





- Cyan (0%)
- Magenta (1%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 96.8790, 0.3247, 0.3455 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 96.8790, 0.3247, 0.3455 by changing the saturation by 10% instead.

 96.8790, 0.3247,
0.3455

 96.8790, 0.3247,
0.3455


550.1631, 0.3194,
0.3382

 73.6999, 0.3258,
0.3471


156.8580, 0.3229,
0.3430

 54.5484, 0.3272,
0.3490


194.4266, 0.3222,
0.3421

 39.0403, 0.3289,
0.3514


237.5605, 0.3216,
0.3412

 26.7911, 0.3311,
0.3544

286.6441, 0.3211,
0.3405

 17.4164, 0.3339,
0.3584

342.0617, 0.3206,
0.3398

 10.5318, 0.3377,
0.3638

404.1978, 0.3202,

 5.7530, 0.3431,

0.3392

0.3716

473.4368, 0.3198,
0.3387

■ 2.6954, 0.3516,
0.3840

■ 0.9749, 0.3792,
0.4205

■ 96.8790, 0.3247,
0.3455

■ 96.8790, 0.3247,
0.3455

■ 93.1386, 0.3408,
0.3672

100.0000, 0.3127,
0.3290

■ 89.6471, 0.3576,
0.3893

■ 86.3960, 0.3747,
0.4109

■ 83.3744, 0.3914,
0.4312

■ 80.5709, 0.4072,
0.4492

■ 77.9726, 0.4213,
0.4639

■ 75.5647, 0.4330,
0.4744

■ 73.3302, 0.4419,
0.4802

■ 71.2461, 0.4479,
0.4817

Harmonies

Analogous

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



96.8790, 0.3303, 0.3421



96.8790, 0.3247, 0.3455



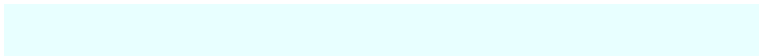
96.8790, 0.3159, 0.3444

Triad

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



96.8790, 0.3247, 0.3455



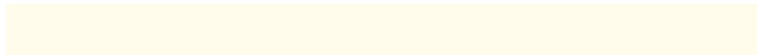
96.8790, 0.2946, 0.3223



96.8790, 0.3190, 0.3193

Complementary

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



96.8790, 0.3247, 0.3455



86.0088, 0.3006, 0.3119

Split Complementary

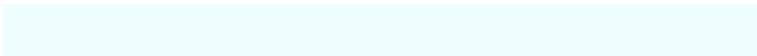
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.8790, 0.3093, 0.3142



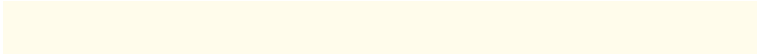
96.8790, 0.3247, 0.3455



96.8790, 0.2954, 0.3158

Square

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



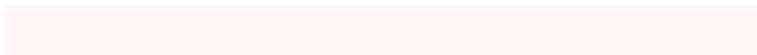
96.8790, 0.3247, 0.3455



96.8790, 0.2986, 0.3309



96.8790, 0.3007, 0.3129



96.8790, 0.3270, 0.3269

Rectangle

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



96.8790, 0.3247, 0.3455



96.8790, 0.3094, 0.3413



96.8790, 0.3007, 0.3129



96.8790, 0.3158, 0.3172

Sweetspot

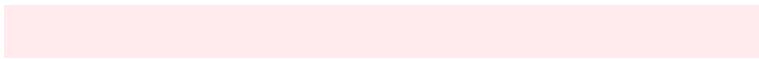
The Sweet Spot groups the original color and five complimentary colors.



96.8802, 0.3247, 0.3455



99.1901, 0.3157, 0.3331



86.8333, 0.3244, 0.3261



21.2393, 0.3156, 0.3329



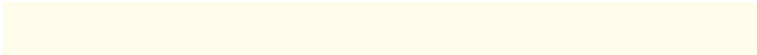
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



96.8802, 0.3247, 0.3455



96.4382, 0.3265, 0.3480



97.4714, 0.3199, 0.3486



20.6003, 0.3273, 0.3490



37.1761, 0.4485, 0.4821



3.7399, 0.4446, 0.4852

Inverse Universe

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



86.0088, 0.3006, 0.3119



84.0778, 0.2987, 0.3093



85.4957, 0.3051, 0.3092



17.8161, 0.2979, 0.3081



4.6323, 0.1534, 0.0720



0.5743, 0.1580, 0.0888

Previews

White Background



This preview shows how the Yxy color 96.8790, 0.3247, 0.3455 looks on a white background.

Color Contrast Check

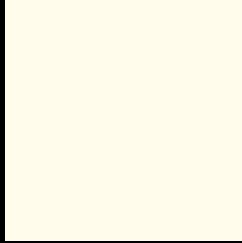
Large Text (above 18pt) WCAG AA × Fail

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 96.8790, 0.3247, 0.3455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

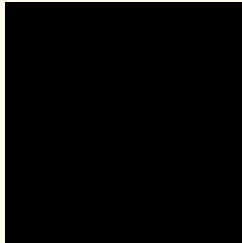
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 96.8790, 0.3247, 0.3455

Background



This preview shows how black text looks on a background with the Yxy color 96.8790, 0.3247, 0.3455.



This preview shows how white text looks on a background with the Yxy color 96.8790, 0.3247, 0.3455.

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

96.8790, 0.3247, 0.3455



Protanopia

96.8469, 0.3188, 0.3348

Deuteranopia

97.1565, 0.3158, 0.3300

Tritanopia

97.0970, 0.3116, 0.3252

Trichromacy



Original Color

96.8790, 0.3247, 0.3455

Protanomaly

96.6052, 0.3212, 0.3387

Deuteranomaly

96.8469, 0.3188, 0.3348

Tritanomaly

96.8425, 0.3164, 0.3319

Monochromacy



Original Color

96.8790, 0.3247, 0.3455



Achromatopsia

96.4686, 0.3127, 0.3290



Achromatomaly

96.2824, 0.3169, 0.3348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.8790, 0.3247, 0.3455 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, 252, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 235)  
}
```

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, 252, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 235) }
```

Border

The CSS property to change the border of an element to Yxy 96.8790, 0.3247, 0.3455 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, 252, 235) }
```

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

```
.border{ border-color:rgb(255, 252, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 252, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 252, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 252, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 252,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 96.8790, 0.3247, 0.3455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 252, 235) }
```

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

```
.background{ background-color: rgb(255,  
252, 235) }
```

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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