

Converting Colors

$Y_{xy}(100.0000, 0.3786, 0.3620)$

Have a look what the booklet for
Yxy(100.0000, 0.3786, 0.3620)
contains.

Yxy(89.7690, 0.3445, 0.3668)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(89.7690, 0.3445, 0.3668)

Conversions

Conversions Part 1

Format	Color
Hex	FFF3CD
RGB	255, 243, 205
RGB Percent	100%, 95%, 80%
CMY	0.0000, 0.0470, 0.1960
CMYK	0.00, 0.05, 0.20, 0.00
HSL	46°, 100%, 90%
HSV	46°, 20%, 100%
XYZ	84.3114, 89.7690, 70.6552
YIQ	242.2560, 19.3500, -9.2740

Conversions

Conversions Part 2

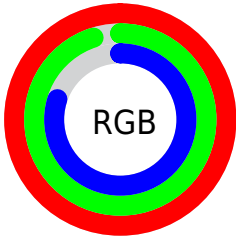
Format	Color
R_{YB}	221, 255, 205
Decimal	16774093
CIE Lab	95.90, -1.91, 19.78
CIE LCh	96, 19.874, 95.524
Yxy	89.7690, 0.3445, 0.3668
Android (android.graphics.Color)	4294964173 (0xFFFFF3CD)
YUV	242.2560, -18.3672, 11.1765
Hunter-Lab	94.7465, -6.9659, 22.1083

Details

The Yxy color **89.7690, 0.3445, 0.3668** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **69.8366, 0.2808, 0.2881**, and the grayscale version is **89.1467, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.7808, 0.3511, 0.3747** is the 20% darker color. If you saturate the color by 10%, you get **85.0381, 0.3624, 0.3868**, and if you desaturate by 10%, it is **94.8307, 0.3277, 0.3471**.

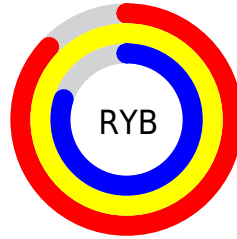
Distribution



Red (100%)

Green (95%)

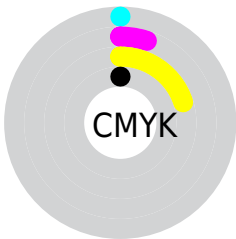
Blue (80%)



Red (87%)

Yellow (100%)

Blue (80%)

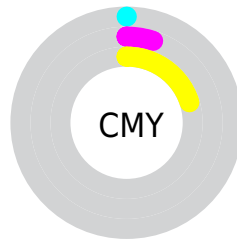


Cyan (0%)

Magenta (5%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.7690, 0.3445, 0.3668 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 89.7690, 0.3445, 0.3668 by changing the saturation by 10% instead.

 89.7690, 0.3445,
0.3668

 89.7690, 0.3445,
0.3668


527.2791, 0.3304,
0.3499

 67.7891, 0.3476,
0.3705


147.0175, 0.3397,
0.3611

 49.7262, 0.3513,
0.3750


183.0548, 0.3378,
0.3588

 35.1959, 0.3559,
0.3806


224.5468, 0.3362,
0.3568

 23.8138, 0.3617,
0.3877

271.8777, 0.3348,
0.3551

 15.1955, 0.3693,
0.3970

325.4320, 0.3335,
0.3536

 8.9567, 0.3795,
0.4097

385.5941, 0.3323,

 4.7130, 0.3938,

0.3522

0.4278

452.7483, 0.3313,
0.3510

■ 2.0799, 0.4204,
0.4613

■ 0.6533, 0.4678,
0.5322

■ 89.7690, 0.3445,
0.3668

■ 89.7690, 0.3445,
0.3668

■ 85.0381, 0.3624,
0.3868

■ 94.8307, 0.3277,
0.3471

■ 80.6150, 0.3811,
0.4064

99.9996, 0.3127,
0.3290

■ 76.4922, 0.3999,
0.4248

■ 72.6568, 0.4181,
0.4409

■ 69.0948, 0.4349,
0.4537

■ 65.7903, 0.4495,
0.4621

■ 62.7244, 0.4612,
0.4657

■ 59.8685, 0.4701,
0.4648

■ 59.7567, 0.4704,
0.4647

Harmonies

Analogous

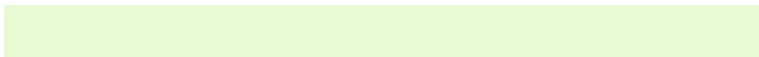
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.7690, 0.3558, 0.3558



89.7690, 0.3445, 0.3668



89.7690, 0.3248, 0.3675

Triad

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



89.7690, 0.3445, 0.3668



89.7690, 0.2720, 0.3170



89.7690, 0.3221, 0.3034

Complementary

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



89.7690, 0.3445, 0.3668



69.8366, 0.2808, 0.2881

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.



89.7690, 0.2995, 0.2935



89.7690, 0.3445, 0.3668



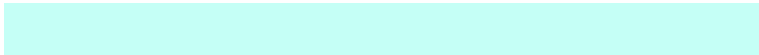
89.7690, 0.2713, 0.3005

Square

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



89.7690, 0.3445, 0.3668



89.7690, 0.2832, 0.3379



89.7690, 0.2811, 0.2923



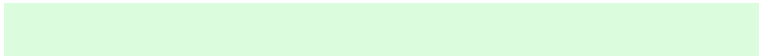
89.7690, 0.3427, 0.3196

Rectangle

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



89.7690, 0.3445, 0.3668



89.7690, 0.3098, 0.3615



89.7690, 0.2811, 0.2923



89.7690, 0.3144, 0.2993

Sweetspot

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



89.7730, 0.3445, 0.3668



96.7332, 0.3219, 0.3402



69.9705, 0.3421, 0.3164



20.6303, 0.3229, 0.3415



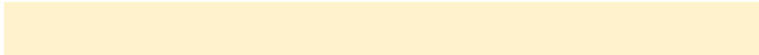
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

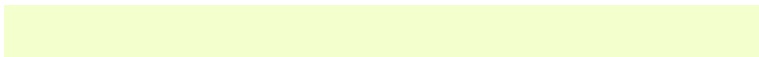
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.7730, 0.3445, 0.3668



87.6512, 0.3523, 0.3756



94.8941, 0.3341, 0.3793



20.3085, 0.3275, 0.3470



31.4685, 0.4694, 0.4655



3.2327, 0.4624, 0.4710

Inverse Universe

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



69.8366, 0.2808, 0.2881



64.0121, 0.2729, 0.2776



65.7252, 0.2884, 0.2761



18.0854, 0.2979, 0.3104



5.7184, 0.1574, 0.0865



0.7175, 0.1631, 0.1070

Previews

White Background



This preview shows how the Yxy color 89.7690, 0.3445, 0.3668 looks on a white background.

Color Contrast Check

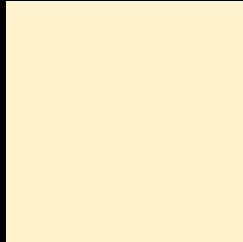
Large Text (above 18pt) WCAG AA × Fail

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 89.7690, 0.3445, 0.3668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

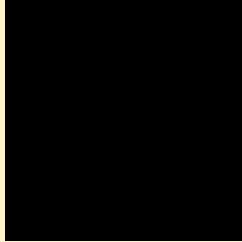
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.7690, 0.3445, 0.3668

Background



This preview shows how black text looks on a background with the Yxy color 89.7690, 0.3445, 0.3668.



This preview shows how white text looks on a background with the Yxy color 89.7690, 0.3445, 0.3668.

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

89.7690, 0.3445, 0.3668

Protanopia

89.9646, 0.3420, 0.3628

Deuteranopia

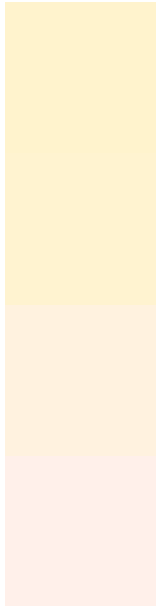
90.0538, 0.3270, 0.3369



Tritanopia

89.9580, 0.3159, 0.3174

Trichromacy



Original Color

89.7690, 0.3445, 0.3668

Protanomaly

89.9153, 0.3426, 0.3638

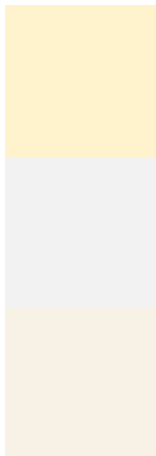
Deuteranomaly

90.0920, 0.3332, 0.3478

Tritanomaly

89.5207, 0.3264, 0.3349

Monochromacy



Original Color

89.7690, 0.3445, 0.3668

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

88.9356, 0.3240, 0.3420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.7690, 0.3445, 0.3668 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, 243, 205)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 205)  
}
```

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, 243, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 205) }
```

Border

The CSS property to change the border of an element to Yxy 89.7690, 0.3445, 0.3668 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, 243, 205) }
```

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

```
.border{ border-color:rgb(255, 243, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 243, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 205);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 89.7690, 0.3445, 0.3668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 243, 205) }
```

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

```
.background{ background-color: rgb(255,  
243, 205) }
```

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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