

Converting Colors

$Y_{xy}(78.9589, 0.3252, 0.3671)$

Have a look what the booklet for
Yxy(78.9589, 0.3252, 0.3671)
contains.

Yxy(78.9589, 0.3252, 0.3671)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.9589, 0.3252, 0.3671)

Conversions

Conversions Part 1

Format	Color
Hex	DDEBC8
RGB	221, 235, 200
RGB Percent	87%, 92%, 78%
CMY	0.1334, 0.0784, 0.2158
CMYK	0.06, 0.00, 0.15, 0.08
HSL	84°, 47%, 85%
HSV	84°, 15%, 92%
XYZ	69.9467, 78.9589, 66.1827
YIQ	226.8240, 2.8910, -13.8530

Conversions

Conversions Part 2

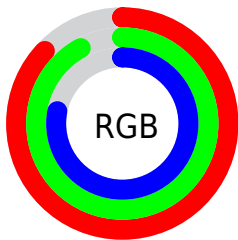
Format	Color
R _Y B	200, 235, 214
Decimal	14543816
CIE Lab	91.22, -10.72, 15.44
CIE LCh	91, 18.793, 124.772
Yxy	78.9589, 0.3252, 0.3671
Android (android.graphics.Color)	4292733896 (0xFFDDEBC8)
YUV	226.8240, -13.2242, -5.1076
Hunter-Lab	88.8588, -14.9937, 18.0416

Details

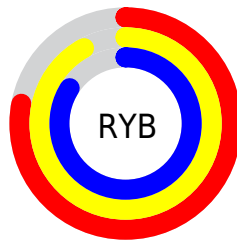
The Yxy color **78.9589, 0.3252, 0.3671** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **61.5936, 0.2988, 0.2904**, and the grayscale version is **76.7770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.4225, 0.3281, 0.3758** is the 20% darker color. If you saturate the color by 10%, you get **76.5111, 0.3334, 0.3948**, and if you desaturate by 10%, it is **81.6652, 0.3168, 0.3411**.

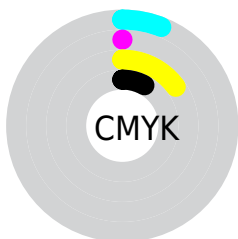
Distribution



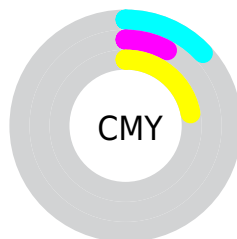
- Red (87%)
- Green (92%)
- Blue (78%)



- Red (78%)
- Yellow (92%)
- Blue (84%)



- Cyan (6%)
- Magenta (0%)
- Yellow (15%)
- Black (8%)




- Cyan (13%)
- Magenta (8%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.9589, 0.3252, 0.3671 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 78.9589, 0.3252, 0.3671 by changing the saturation by 10% instead.


 78.9589, 0.3252,
0.3671

 78.9589, 0.3252,
0.3671

491.4173, 0.3197,
0.3494

 58.8620, 0.3264,
0.3712


131.9010, 0.3233,
0.3609

 42.5021, 0.3278,
0.3762


165.5150, 0.3226,
0.3585

 29.4946, 0.3296,
0.3826

204.4035, 0.3220,
0.3565

 19.4553, 0.3318,
0.3909

248.9509, 0.3214,
0.3547

 11.9997, 0.3347,
0.4024

299.5416, 0.3209,
0.3531

 6.7435, 0.3385,
0.4188

356.5599, 0.3204,

 3.3022, 0.3434,

0.3517

0.4446

420.3904, 0.3200,
0.3505

■ 1.2915, 0.3706,
0.5197

■ 0.1346, 0.0000,
1.0000

■ 78.9589, 0.3252,
0.3671

■ 78.9589, 0.3252,
0.3671

■ 76.5111, 0.3334,
0.3948

■ 81.6652, 0.3168,
0.3411

■ 74.3025, 0.3411,
0.4234

■ 84.6283, 0.3085,
0.3170

■ 72.3269, 0.3479,
0.4523

■ 86.8220, 0.3098,
0.3095

■ 70.5738, 0.3532,
0.4801

■ 87.9033, 0.3136,
0.3097

■ 69.0318, 0.3566,
0.5055

■ 67.6882, 0.3577,
0.5272

■ 66.5284, 0.3563,
0.5441

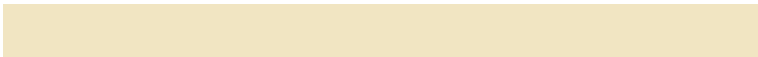
■ 65.5348, 0.3526,
0.5558

■ 65.0795, 0.3502,
0.5602

Harmonies

Analogous

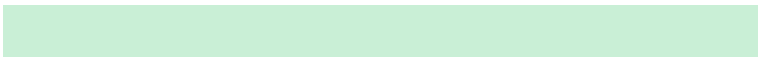
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.9589, 0.3445, 0.3661



78.9589, 0.3252, 0.3671



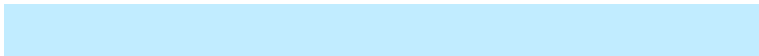
78.9589, 0.3031, 0.3568

Triad

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



78.9589, 0.3252, 0.3671



78.9589, 0.2717, 0.3012



78.9589, 0.3419, 0.3193

Complementary

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



78.9589, 0.3252, 0.3671



61.5936, 0.2988, 0.2904

Split Complementary

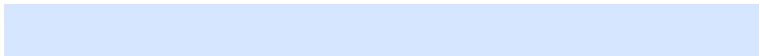
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.9589, 0.3214, 0.3034



78.9589, 0.3252, 0.3671



78.9589, 0.2812, 0.2929

Square

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



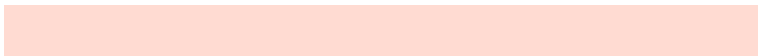
78.9589, 0.3252, 0.3671



78.9589, 0.2727, 0.3177



78.9589, 0.2992, 0.2938



78.9589, 0.3545, 0.3379

Rectangle

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



78.9589, 0.3252, 0.3671



78.9589, 0.2897, 0.3450



78.9589, 0.2992, 0.2938



78.9589, 0.3356, 0.3135

Sweetspot

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



78.9623, 0.3252, 0.3671



98.5941, 0.3161, 0.3388



69.9219, 0.3383, 0.3442



21.0478, 0.3167, 0.3407



0.0000, 0.0000, 0.0000



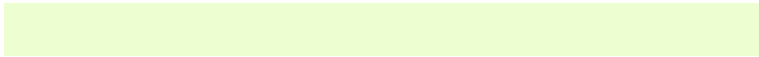
21.4041, 0.3127, 0.3290

Same Dimension

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



78.9623, 0.3252, 0.3671



94.0683, 0.3278, 0.3757



76.3566, 0.3132, 0.3685



17.3088, 0.3206, 0.3527



36.2919, 0.3512, 0.5593



2.9055, 0.3605, 0.5520

Inverse Universe

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



61.5936, 0.2988, 0.2904



69.2784, 0.2954, 0.2815



64.3706, 0.3118, 0.2919



14.8432, 0.3042, 0.3051



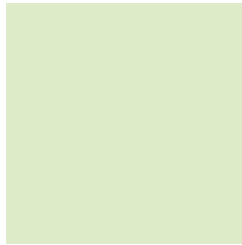
4.7346, 0.1847, 0.0791



0.4264, 0.2001, 0.0876

Previews

White Background



This preview shows how the Yxy color 78.9589, 0.3252, 0.3671 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 78.9589, 0.3252, 0.3671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

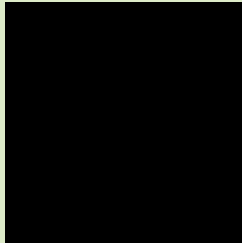
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

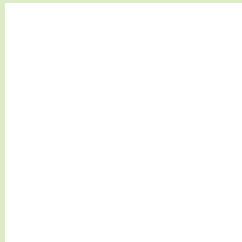
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.9589, 0.3252, 0.3671

Background



This preview shows how black text looks on a background with the Yxy color 78.9589, 0.3252, 0.3671.

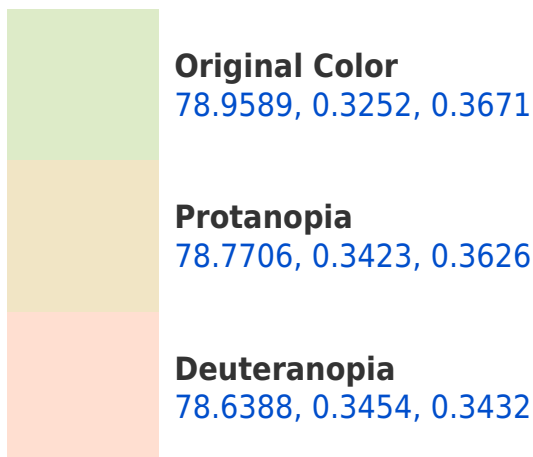


This preview shows how white text looks on a background with the Yxy color 78.9589, 0.3252, 0.3671.

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

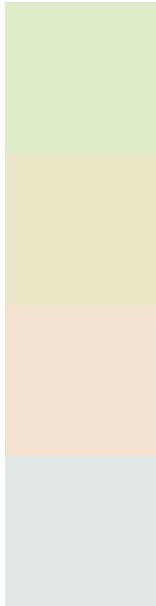




Tritanopia

78.6346, 0.3015, 0.3104

Trichromacy



Original Color

78.9589, 0.3252, 0.3671

Protanomaly

78.7215, 0.3362, 0.3641

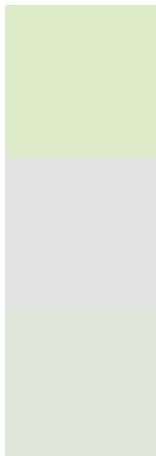
Deuteranomaly

78.4491, 0.3380, 0.3509

Tritanomaly

78.8165, 0.3099, 0.3311

Monochromacy



Original Color

78.9589, 0.3252, 0.3671

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

77.6109, 0.3176, 0.3429

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.9589, 0.3252, 0.3671 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(221, 235, 200)` looks like.

```
.text, #text, p{  
    color:rgb(221, 235, 200)  
}
```

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(221, 235, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 235, 200) }
```

Border

The CSS property to change the border of an element to Yxy 78.9589, 0.3252, 0.3671 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(221, 235, 200) }
```

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

```
.border{ border-color:rgb(221, 235, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 235, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 235, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 235, 200);  
box-shadow:4px 4px 4px 4px rgb(221, 235,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 78.9589, 0.3252, 0.3671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 235, 200) }
```

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

```
.background{ background-color: rgb(221,  
235, 200) }
```

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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