

Converting Colors

$Yxy(79.6491, 0.3409, 0.3956)$

Have a look what the booklet for
Yxy(79.6491, 0.3409, 0.3956)
contains.

Yxy(79.9716, 0.3413, 0.3965)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(79.9716, 0.3413, 0.3965)

Conversions

Conversions Part 1

Format	Color
Hex	DFEEB0
RGB	223, 238, 176
RGB Percent	87%, 93%, 69%
CMY	0.1256, 0.0666, 0.3098
CMYK	0.06, 0.00, 0.26, 0.07
HSL	75°, 65%, 81%
HSV	75°, 26%, 93%
XYZ	68.8381, 79.9716, 52.8841
YIQ	226.4470, 10.9620, -22.4620

Conversions

Conversions Part 2

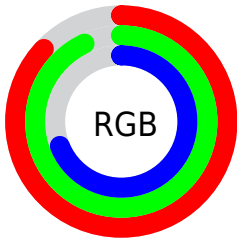
Format	Color
RYB	176, 238, 191
Decimal	14675632
CIELab	91.67, -15.08, 28.43
CIELCh	92, 32.183, 117.947
Yxy	79.9716, 0.3413, 0.3965
Android (android.graphics.Color)	4292865712 (0xFFDFEEB0)
YUV	226.4470, -24.8704, -3.0230
Hunter-Lab	89.4268, -19.0930, 27.5366

Details

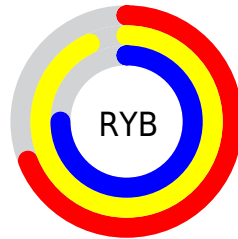
The Yxy color **79.9716, 0.3413, 0.3965** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **48.3078, 0.2787, 0.2567**, and the grayscale version is **76.5715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6062, 0.3262, 0.3513**, and **43.1014, 0.3468, 0.4125** is the 20% darker color. If you saturate the color by 10%, you get **78.2132, 0.3517, 0.4236**, and if you desaturate by 10%, it is **81.9335, 0.3303, 0.3697**.

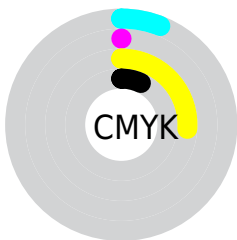
Distribution



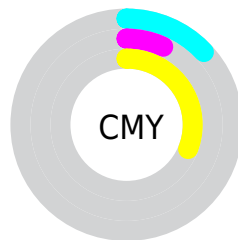
- Red (87%)
- Green (93%)
- Blue (69%)



- Red (69%)
- Yellow (93%)
- Blue (75%)



- Cyan (6%)
- Magenta (0%)
- Yellow (26%)
- Black (7%)





- Cyan (13%)
- Magenta (7%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.9716, 0.3413, 0.3965 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 79.9716, 0.3413, 0.3965 by changing the saturation by 10% instead.

 79.9716, 0.3413,
0.3965

 79.9716, 0.3413,
0.3965


494.8371, 0.3289,
0.3651

 59.6950, 0.3439,
0.4037

 133.3258, 0.3372,
0.3856

 43.1728, 0.3470,
0.4126


167.1722, 0.3355,
0.3813

 30.0207, 0.3507,
0.4237


206.3106, 0.3340,
0.3777

 19.8543, 0.3552,
0.4383

251.1254, 0.3328,
0.3745

 12.2892, 0.3607,
0.4578

302.0011, 0.3316,
0.3717

 6.9410, 0.3669,
0.4852

359.3220, 0.3306,

 3.4252, 0.3750,

0.3692

0.5286

423.4726, 0.3297,
0.3670

■ 1.3575, 0.3878,
0.6122

■ 0.1851, 0.0000,
1.0000

■ 79.9716, 0.3413,
0.3965

■ 79.9716, 0.3413,
0.3965

■ 78.2132, 0.3517,
0.4236

■ 81.9335, 0.3303,
0.3697

■ 76.6388, 0.3612,
0.4502

■ 84.0965, 0.3193,
0.3439

■ 75.2421, 0.3691,
0.4750

■ 86.4721, 0.3085,
0.3196

■ 74.0124, 0.3750,
0.4969

■ 87.9789, 0.3077,
0.3124

■ 72.9377, 0.3784,
0.5149

■ 89.0389, 0.3114,
0.3126

■ 72.0039, 0.3791,
0.5282

■ 89.6355, 0.3135,
0.3127

■ 71.1935, 0.3775,
0.5368

■ 70.8966, 0.3764,
0.5394

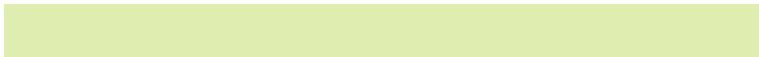
Harmonies

Analogous

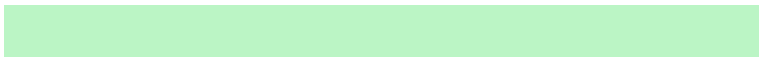
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.9716, 0.3722, 0.3887



79.9716, 0.3413, 0.3965



79.9716, 0.3039, 0.3835

Triad

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



79.9716, 0.3413, 0.3965



79.9716, 0.2432, 0.2864



79.9716, 0.3552, 0.3057

Complementary

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



79.9716, 0.3413, 0.3965



48.3078, 0.2787, 0.2567

Split Complementary

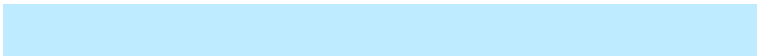
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.9716, 0.3181, 0.2820



79.9716, 0.3413, 0.3965



79.9716, 0.2548, 0.2701

Square

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



79.9716, 0.3413, 0.3965



79.9716, 0.2486, 0.3162



79.9716, 0.2816, 0.2691



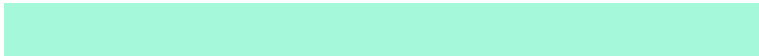
79.9716, 0.3812, 0.3355

Rectangle

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



79.9716, 0.3413, 0.3965



79.9716, 0.2805, 0.3643



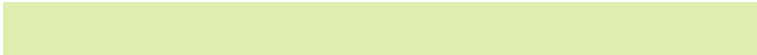
79.9716, 0.2816, 0.2691



79.9716, 0.3435, 0.2969

Sweetspot

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



79.9751, 0.3413, 0.3965



97.8292, 0.3215, 0.3489



58.3463, 0.3645, 0.3451



20.8559, 0.3231, 0.3527



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

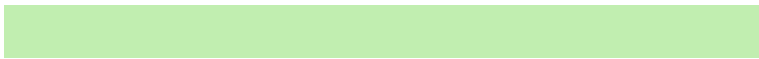
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.9751, 0.3413, 0.3965



92.4577, 0.3467, 0.4103



75.5674, 0.3201, 0.4012



18.2548, 0.3231, 0.3526



39.6121, 0.3771, 0.5388



3.3409, 0.3829, 0.5342

Inverse Universe

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



48.3078, 0.2787, 0.2567



49.8681, 0.2707, 0.2406



52.6737, 0.3024, 0.2615



15.4137, 0.3017, 0.3048



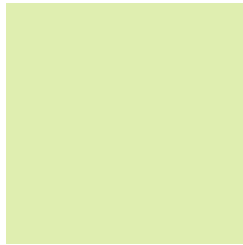
3.9907, 0.1638, 0.0676



0.3767, 0.1766, 0.0746

Previews

White Background



This preview shows how the Yxy color 79.9716, 0.3413, 0.3965 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 79.9716, 0.3413, 0.3965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

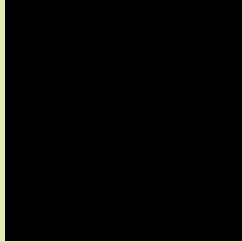
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.9716, 0.3413, 0.3965

Background



This preview shows how black text looks on a background with the Yxy color 79.9716, 0.3413, 0.3965.

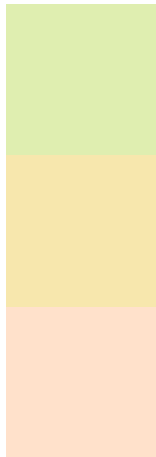


This preview shows how white text looks on a background with the Yxy color 79.9716, 0.3413, 0.3965.

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

79.9716, 0.3413, 0.3965

Protanopia

79.9431, 0.3625, 0.3891

Deuteranopia

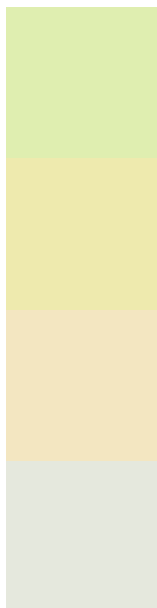
79.4222, 0.3493, 0.3514



Tritanopia

80.0777, 0.3041, 0.3106

Trichromacy



Original Color

79.9716, 0.3413, 0.3965

Protanomaly

80.0788, 0.3544, 0.3924

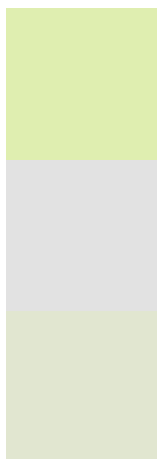
Deuteranomaly

79.4986, 0.3463, 0.3677

Tritanomaly

79.5917, 0.3176, 0.3406

Monochromacy



Original Color

79.9716, 0.3413, 0.3965

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

77.1552, 0.3234, 0.3527

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.9716, 0.3413, 0.3965 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(223, 238, 176)` looks like.

```
.text, #text, p{  
    color:rgb(223, 238, 176)  
}
```

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(223, 238, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 238, 176) }
```

Border

The CSS property to change the border of an element to Yxy 79.9716, 0.3413, 0.3965 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(223, 238, 176) }
```

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

```
.border{ border-color:rgb(223, 238, 176) }
```

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

Here you see how a box with a 4 pixel rgb(223, 238, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 238, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 238, 176);  
box-shadow:4px 4px 4px 4px rgb(223, 238,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 79.9716, 0.3413, 0.3965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 238, 176) }
```

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

```
.background{ background-color: rgb(223,  
238, 176) }
```

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