

Converting Colors

$Yxy(78.9655, 0.3226, 0.3637)$

Have a look what the booklet for
Yxy(78.9655, 0.3226, 0.3637)
contains.

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Color

Yxy(78.9441, 0.3226, 0.3638)

Conversions

Conversions Part 1

Format	Color
Hex	DCEBCB
RGB	220, 235, 203
RGB Percent	86%, 92%, 80%
CMY	0.1372, 0.0784, 0.2039
CMYK	0.06, 0.00, 0.14, 0.08
HSL	88°, 44%, 86%
HSV	88°, 14%, 92%
XYZ	70.0038, 78.9441, 68.0508
YIQ	226.8670, 1.3320, -13.1320

Conversions

Conversions Part 2

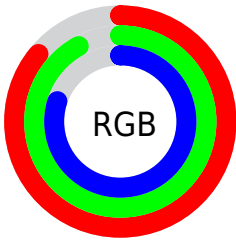
Format	Color
R _Y B	203, 235, 218
Decimal	14478283
CIE Lab	91.21, -10.57, 13.85
CIE LCh	91, 17.417, 127.347
Yxy	78.9441, 0.3226, 0.3638
Android (android.graphics.Color)	4292668363 (0xFFDCEBCB)
YUV	226.8670, -11.7664, -6.0224
Hunter-Lab	88.8505, -14.8513, 16.7850

Details

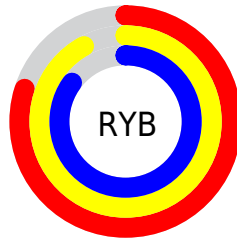
The Yxy color **78.9441, 0.3226, 0.3638** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **63.6200, 0.3017, 0.2941**, and the grayscale version is **76.8031, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.4095, 0.3247, 0.3716** is the 20% darker color. If you saturate the color by 10%, you get **76.2476, 0.3297, 0.3916**, and if you desaturate by 10%, it is **81.9306, 0.3153, 0.3379**.

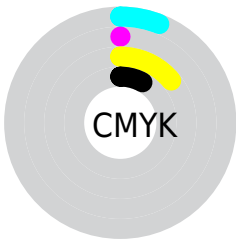
Distribution



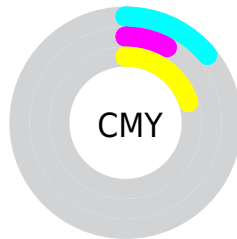
- Red (86%)
- Green (92%)
- Blue (80%)



- Red (80%)
- Yellow (92%)
- Blue (85%)



- Cyan (6%)
- Magenta (0%)
- Yellow (14%)
- Black (8%)




- Cyan (14%)
- Magenta (8%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.9441, 0.3226, 0.3638 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 78.9441, 0.3226, 0.3638 by changing the saturation by 10% instead.

 78.9441, 0.3226,
0.3638

 78.9441, 0.3226,
0.3638


491.3672, 0.3182,
0.3476

 58.8498, 0.3235,
0.3675

131.8802, 0.3211,
0.3582

 42.4923, 0.3247,
0.3721


165.4908, 0.3205,
0.3560

 29.4869, 0.3261,
0.3779


204.3756, 0.3200,
0.3541

 19.4495, 0.3278,
0.3856

248.9191, 0.3196,
0.3525

 11.9955, 0.3301,
0.3960

299.5056, 0.3192,
0.3510

 6.7406, 0.3330,
0.4111

356.5195, 0.3188,

 3.3004, 0.3369,

0.3498

0.4348

420.3453, 0.3185,
0.3486

■ 1.2905, 0.3557,
0.4968

■ 0.1338, 0.0000,
1.0000

■ 78.9441, 0.3226,
0.3638

■ 78.9441, 0.3226,
0.3638

■ 76.2476, 0.3297,
0.3916

■ 81.9306, 0.3153,
0.3379

■ 73.8211, 0.3363,
0.4209

■ 85.2060, 0.3081,
0.3141

■ 71.6575, 0.3420,
0.4506

■ 87.5327, 0.3123,
0.3097

■ 69.7456, 0.3464,
0.4797

■ 87.8994, 0.3136,
0.3097

■ 68.0733, 0.3490,
0.5068

■ 66.6269, 0.3494,
0.5304

■ 65.3912, 0.3474,
0.5491

■ 64.3480, 0.3433,
0.5623

■ 63.7662, 0.3399,
0.5683

Harmonies

Analogous

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



78.9441, 0.3409, 0.3639



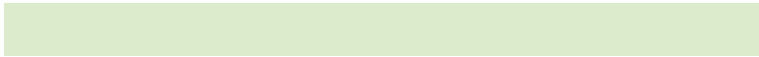
78.9441, 0.3226, 0.3638



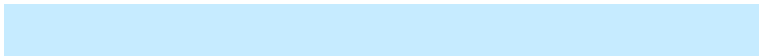
78.9441, 0.3021, 0.3535

Triad

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



78.9441, 0.3226, 0.3638



78.9441, 0.2750, 0.3023



78.9441, 0.3411, 0.3214

Complementary

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



78.9441, 0.3226, 0.3638



63.6200, 0.3017, 0.2941

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.



78.9441, 0.3226, 0.3063



78.9441, 0.3226, 0.3638



78.9441, 0.2846, 0.2952

Square

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



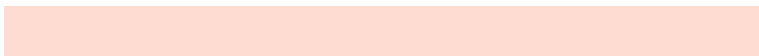
78.9441, 0.3226, 0.3638



78.9441, 0.2751, 0.3171



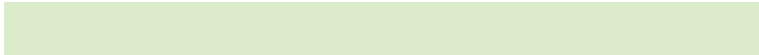
78.9441, 0.3019, 0.2968



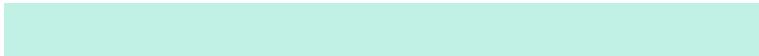
78.9441, 0.3519, 0.3389

Rectangle

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



78.9441, 0.3226, 0.3638



78.9441, 0.2899, 0.3423



78.9441, 0.3019, 0.2968



78.9441, 0.3355, 0.3159

Sweetspot

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



78.9475, 0.3226, 0.3638



98.4646, 0.3156, 0.3389



72.0862, 0.3355, 0.3451



21.0150, 0.3162, 0.3408



0.0000, 0.0000, 0.0000



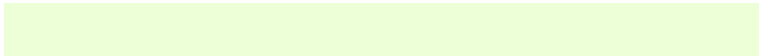
21.4041, 0.3127, 0.3290

Same Dimension

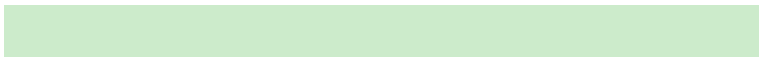
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.9475, 0.3226, 0.3638



94.1961, 0.3244, 0.3705



76.5792, 0.3117, 0.3650



17.2560, 0.3196, 0.3528



35.5639, 0.3410, 0.5674



2.8498, 0.3512, 0.5593

Inverse Universe

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



63.6200, 0.3017, 0.2941



72.7935, 0.2995, 0.2874



66.1952, 0.3135, 0.2953



14.8951, 0.3053, 0.3052



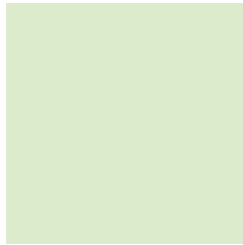
5.2641, 0.1965, 0.0856



0.4702, 0.2118, 0.0941

Previews

White Background



This preview shows how the Yxy color 78.9441, 0.3226, 0.3638 looks on a white background.

Color Contrast Check

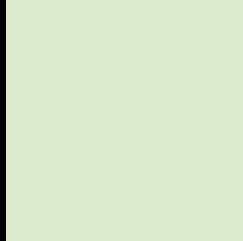
Large Text (above 18pt) WCAG AA × Fail

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 78.9441, 0.3226, 0.3638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

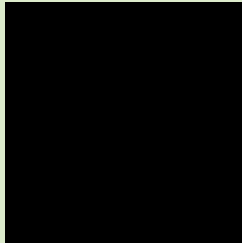
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

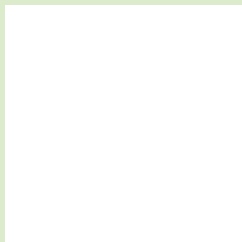
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.9441, 0.3226, 0.3638

Background



This preview shows how black text looks on a background with the Yxy color 78.9441, 0.3226, 0.3638.

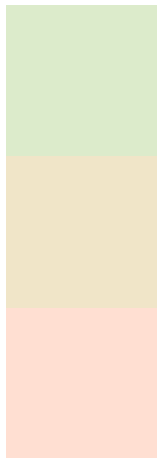


This preview shows how white text looks on a background with the Yxy color 78.9441, 0.3226, 0.3638.

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

78.9441, 0.3226, 0.3638

Protanopia

78.7340, 0.3396, 0.3595

Deuteranopia

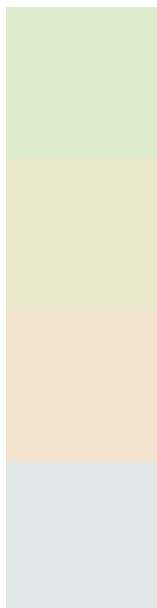
78.6885, 0.3447, 0.3422



Tritanopia

79.0849, 0.3002, 0.3104

Trichromacy



Original Color

78.9441, 0.3226, 0.3638

Protanomaly

78.6925, 0.3335, 0.3609

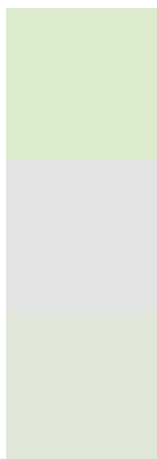
Deuteranomaly

78.3204, 0.3366, 0.3499

Tritanomaly

78.7686, 0.3080, 0.3290

Monochromacy



Original Color

78.9441, 0.3226, 0.3638

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

77.5029, 0.3162, 0.3419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.9441, 0.3226, 0.3638 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(220, 235, 203)` looks like.

```
.text, #text, p{  
    color:rgb(220, 235, 203)  
}
```

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(220, 235, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 235, 203) }
```

Border

The CSS property to change the border of an element to Yxy 78.9441, 0.3226, 0.3638 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(220, 235, 203) }
```

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

```
.border{ border-color:rgb(220, 235, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 235, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 235, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 235, 203);  
box-shadow:4px 4px 4px 4px rgb(220, 235,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 78.9441, 0.3226, 0.3638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 235, 203) }
```

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

```
.background{ background-color: rgb(220,  
235, 203) }
```

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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