

Converting Colors

$Yxy(78.4833, 0.3238, 0.3648)$

Have a look what the booklet for
Yxy(78.4833, 0.3238, 0.3648)
contains.

Yxy(78.2783, 0.3240, 0.3650)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.2783, 0.3240, 0.3650)

Conversions

Conversions Part 1

Format	Color
Hex	DCEAC9
RGB	220, 234, 201
RGB Percent	86%, 92%, 79%
CMY	0.1371, 0.0824, 0.2118
CMYK	0.06, 0.00, 0.14, 0.08
HSL	85°, 44%, 85%
HSV	85°, 14%, 92%
XYZ	69.4854, 78.2783, 66.6974
YIQ	226.0520, 2.2490, -13.2310

Conversions

Conversions Part 2

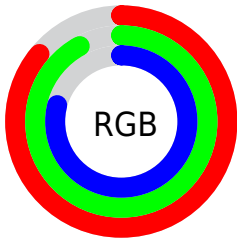
Format	Color
R_{YB}	201, 234, 215
Decimal	14478025
CIE _{Lab}	90.91, -10.38, 14.47
CIE _{LCh}	91, 17.806, 125.662
Yxy	78.2783, 0.3240, 0.3650
Android (android.graphics.Color)	4292668105 (0xFFDCEAC9)
YUV	226.0520, -12.3506, -5.3076
Hunter-Lab	88.4750, -14.6432, 17.2364

Details

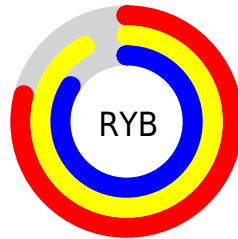
The Yxy color **78.2783, 0.3240, 0.3650** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.1498, 0.3002, 0.2926**, and the grayscale version is **76.1869, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.9467, 0.3265, 0.3731** is the 20% darker color. If you saturate the color by 10%, you get **75.7629, 0.3319, 0.3927**, and if you desaturate by 10%, it is **81.0599, 0.3160, 0.3391**.

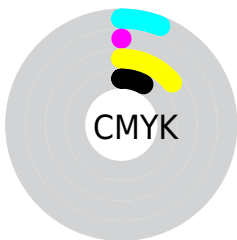
Distribution



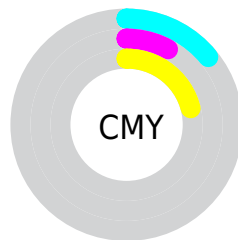
- Red (86%)
- Green (92%)
- Blue (79%)



- Red (79%)
- Yellow (92%)
- Blue (84%)



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





- Cyan (14%)
- Magenta (8%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.2783, 0.3240, 0.3650 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 78.2783, 0.3240, 0.3650 by changing the saturation by 10% instead.


 78.2783, 0.3240,
0.3650

 78.2783, 0.3240,
0.3650

489.1114, 0.3190,
0.3482

 58.3026, 0.3251,
0.3688


130.9424, 0.3223,
0.3592

 42.0520, 0.3264,
0.3736


164.3995, 0.3216,
0.3569

 29.1420, 0.3280,
0.3797


203.1193, 0.3211,
0.3550

 19.1883, 0.3300,
0.3876

247.4861, 0.3205,
0.3533

 11.8064, 0.3327,
0.3985

297.8844, 0.3201,
0.3518

 6.6120, 0.3361,
0.4142

354.6984, 0.3197,

 3.2206, 0.3407,

0.3505

0.4389

418.3126, 0.3193,
0.3493

■ 1.2480, 0.3659,
0.5101

■ 0.1004, 0.0000,
1.0000

■ 78.2783, 0.3240,
0.3650

■ 78.2783, 0.3240,
0.3650

■ 75.7629, 0.3319,
0.3927

■ 81.0599, 0.3160,
0.3391

■ 73.4942, 0.3392,
0.4215

■ 84.1060, 0.3081,
0.3152

■ 71.4660, 0.3457,
0.4506

■ 86.3412, 0.3102,
0.3085

■ 69.6677, 0.3507,
0.4790

■ 87.3252, 0.3137,
0.3088

■ 68.0878, 0.3539,
0.5051

■ 66.7136, 0.3548,
0.5276

■ 65.5306, 0.3534,
0.5453

■ 64.5211, 0.3496,
0.5577

■ 63.9927, 0.3467,
0.5629

Harmonies

Analogous

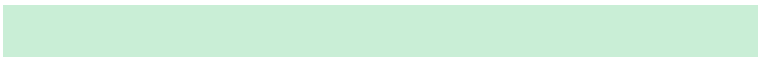
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.2783, 0.3425, 0.3645



78.2783, 0.3240, 0.3650



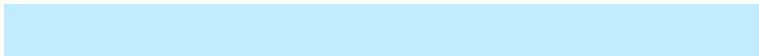
78.2783, 0.3030, 0.3549

Triad

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



78.2783, 0.3240, 0.3650



78.2783, 0.2738, 0.3023



78.2783, 0.3409, 0.3203

Complementary

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



78.2783, 0.3240, 0.3650



62.1498, 0.3002, 0.2926

Split Complementary

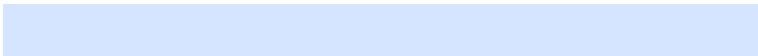
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.2783, 0.3216, 0.3050



78.2783, 0.3240, 0.3650



78.2783, 0.2831, 0.2945

Square

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



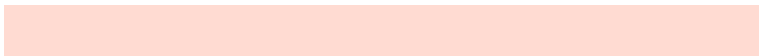
78.2783, 0.3240, 0.3650



78.2783, 0.2745, 0.3178



78.2783, 0.3005, 0.2957



78.2783, 0.3526, 0.3381

Rectangle

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



78.2783, 0.3240, 0.3650



78.2783, 0.2903, 0.3437



78.2783, 0.3005, 0.2957



78.2783, 0.3351, 0.3147

Sweetspot

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



78.2817, 0.3240, 0.3650



98.5507, 0.3159, 0.3389



70.1791, 0.3367, 0.3439



21.0368, 0.3165, 0.3407



0.0000, 0.0000, 0.0000



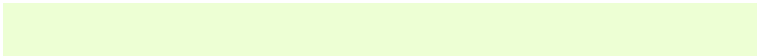
21.4041, 0.3127, 0.3290

Same Dimension

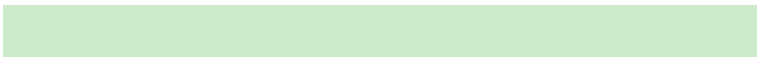
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.2817, 0.3240, 0.3650



94.2005, 0.3264, 0.3731



75.8624, 0.3128, 0.3662



17.2911, 0.3203, 0.3527



36.0364, 0.3477, 0.5621



2.8862, 0.3573, 0.5545

Inverse Universe

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



62.1498, 0.3002, 0.2926



70.9548, 0.2972, 0.2844



64.7390, 0.3123, 0.2940



14.8605, 0.3046, 0.3051



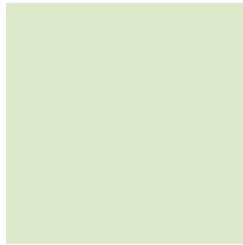
4.9007, 0.1885, 0.0812



0.4404, 0.2039, 0.0897

Previews

White Background



This preview shows how the Yxy color 78.2783, 0.3240, 0.3650 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 78.2783, 0.3240, 0.3650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

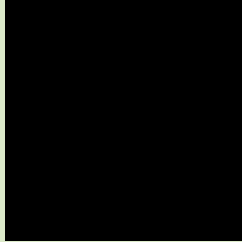
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

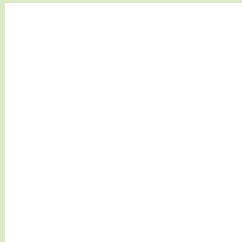
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.2783, 0.3240, 0.3650

Background



This preview shows how black text looks on a background with the Yxy color 78.2783, 0.3240, 0.3650.

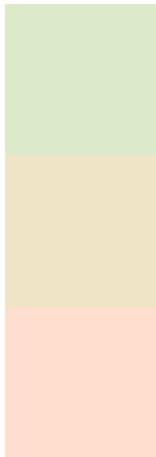


This preview shows how white text looks on a background with the Yxy color 78.2783, 0.3240, 0.3650.

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

78.2783, 0.3240, 0.3650

Protanopia

78.0893, 0.3411, 0.3606

Deuteranopia

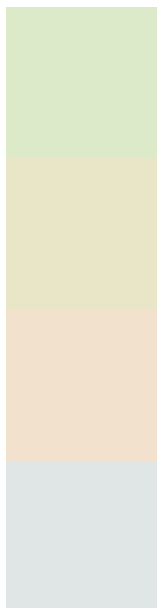
78.0566, 0.3463, 0.3433



Tritanopia

78.4715, 0.3008, 0.3103

Trichromacy



Original Color

78.2783, 0.3240, 0.3650

Protanomaly

78.0408, 0.3350, 0.3621

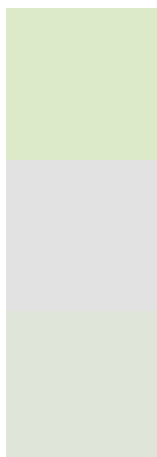
Deuteranomaly

77.6777, 0.3381, 0.3510

Tritanomaly

78.1541, 0.3086, 0.3290

Monochromacy



Original Color

78.2783, 0.3240, 0.3650

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.8957, 0.3169, 0.3419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.2783, 0.3240, 0.3650 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, 234, 201)` looks like.

```
.text, #text, p{  
    color:rgb(220, 234, 201)  
}
```

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, 234, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 234, 201) }
```

Border

The CSS property to change the border of an element to Yxy 78.2783, 0.3240, 0.3650 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, 234, 201) }
```

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

```
.border{ border-color:rgb(220, 234, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 234, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 234, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 234, 201);  
box-shadow:4px 4px 4px 4px rgb(220, 234,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 78.2783, 0.3240, 0.3650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 234, 201) }
```

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

```
.background{ background-color: rgb(220,  
234, 201) }
```

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