

Converting Colors

$Yxy(78.4393, 0.3247, 0.3649)$

Have a look what the booklet for
Yxy(78.4393, 0.3247, 0.3649)
contains.

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Color

Yxy(78.4348, 0.3247, 0.3649)

Conversions

Conversions Part 1

Format	Color
Hex	DDEAC9
RGB	221, 234, 201
RGB Percent	87%, 92%, 79%
CMY	0.1332, 0.0824, 0.2118
CMYK	0.06, 0.00, 0.14, 0.08
HSL	84°, 44%, 85%
HSV	84°, 14%, 92%
XYZ	69.7939, 78.4348, 66.7201
YIQ	226.3510, 2.8450, -13.0190

Conversions

Conversions Part 2

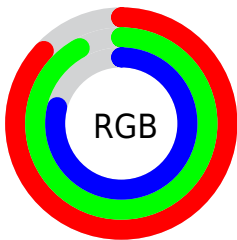
Format	Color
R_{YB}	201, 234, 214
Decimal	14543561
CIE _{Lab}	90.98, -10.02, 14.57
CIE _{LCh}	91, 17.684, 124.523
Y _{xy}	78.4348, 0.3247, 0.3649
Android (android.graphics.Color)	4292733641 (0xFFDDEAC9)
YUV	226.3510, -12.4980, -4.6928
Hunter-Lab	88.5634, -14.3161, 17.3277

Details

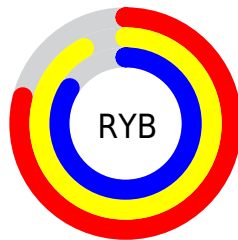
The Yxy color **78.4348, 0.3247, 0.3649** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.0042, 0.2994, 0.2926**, and the grayscale version is **76.4177, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.0544, 0.3274, 0.3730** is the 20% darker color. If you saturate the color by 10%, you get **76.0164, 0.3331, 0.3924**, and if you desaturate by 10%, it is **81.1066, 0.3162, 0.3390**.

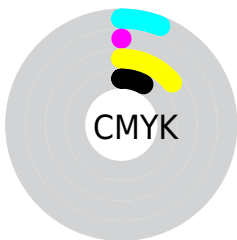
Distribution



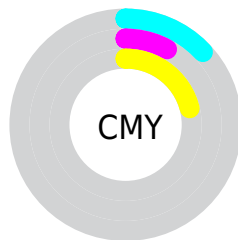
- Red (87%)
- Green (92%)
- Blue (79%)



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



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





- Cyan (13%)
- Magenta (8%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.4348, 0.3247, 0.3649 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 78.4348, 0.3247, 0.3649 by changing the saturation by 10% instead.


 78.4348, 0.3247,
0.3649

 78.4348, 0.3247,
0.3649


489.6422, 0.3194,
0.3482

 58.4312, 0.3259,
0.3687


131.1629, 0.3229,
0.3591

 42.1554, 0.3273,
0.3735


164.6562, 0.3222,
0.3568

 29.2230, 0.3290,
0.3795


203.4148, 0.3216,
0.3549

 19.2496, 0.3312,
0.3874

247.8232, 0.3210,
0.3532

 11.8508, 0.3340,
0.3982

298.2657, 0.3205,
0.3517

 6.6421, 0.3377,
0.4138

355.1268, 0.3201,

 3.2393, 0.3428,

0.3504

0.4382

418.7908, 0.3197,
0.3493

■ 1.2579, 0.3686,
0.5083

■ 0.1083, 0.0000,
1.0000

■ 78.4348, 0.3247,
0.3649

■ 78.4348, 0.3247,
0.3649

■ 76.0164, 0.3331,
0.3924

■ 81.1066, 0.3162,
0.3390

■ 73.8325, 0.3410,
0.4209

■ 84.0300, 0.3078,
0.3151

■ 71.8770, 0.3480,
0.4497

■ 86.1284, 0.3094,
0.3085

■ 70.1397, 0.3535,
0.4775

■ 87.3221, 0.3137,
0.3088

■ 68.6096, 0.3572,
0.5030

■ 67.2742, 0.3586,
0.5249

■ 66.1194, 0.3576,
0.5421

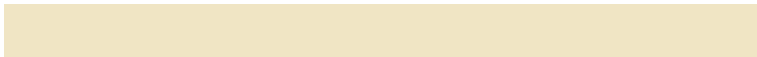
■ 65.1281, 0.3542,
0.5541

■ 64.6051, 0.3514,
0.5592

Harmonies

Analogous

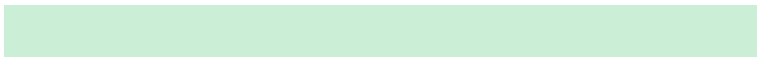
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.4348, 0.3428, 0.3640



78.4348, 0.3247, 0.3649



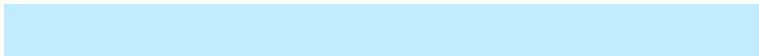
78.4348, 0.3038, 0.3553

Triad

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



78.4348, 0.3247, 0.3649



78.4348, 0.2739, 0.3029



78.4348, 0.3401, 0.3197

Complementary

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



78.4348, 0.3247, 0.3649



62.0042, 0.2994, 0.2926

Split Complementary

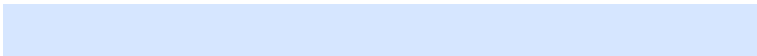
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.4348, 0.3208, 0.3047



78.4348, 0.3247, 0.3649



78.4348, 0.2828, 0.2949

Square

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



78.4348, 0.3247, 0.3649



78.4348, 0.2750, 0.3185



78.4348, 0.2998, 0.2957



78.4348, 0.3520, 0.3374

Rectangle

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



78.4348, 0.3247, 0.3649



78.4348, 0.2911, 0.3442



78.4348, 0.2998, 0.2957



78.4348, 0.3342, 0.3142

Sweetspot

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



78.4382, 0.3247, 0.3649



98.6088, 0.3161, 0.3388



69.6245, 0.3369, 0.3427



21.0516, 0.3168, 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.



78.4382, 0.3247, 0.3649



94.4300, 0.3272, 0.3729



76.0174, 0.3136, 0.3661



17.3148, 0.3208, 0.3527



36.3817, 0.3524, 0.5584



2.9122, 0.3616, 0.5511

Inverse Universe

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



62.0042, 0.2994, 0.2926



70.7355, 0.2962, 0.2843



64.5619, 0.3115, 0.2939



14.8373, 0.3041, 0.3051



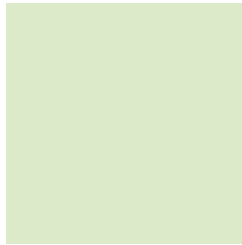
4.6806, 0.1834, 0.0784



0.4218, 0.1989, 0.0869

Previews

White Background



This preview shows how the Yxy color 78.4348, 0.3247, 0.3649 looks on a white background.

Color Contrast Check

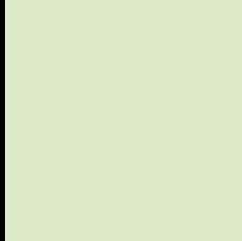
Large Text (above 18pt) WCAG AA × Fail

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 78.4348, 0.3247, 0.3649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

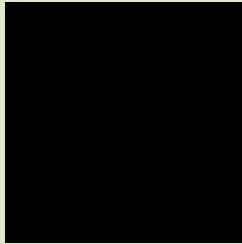
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

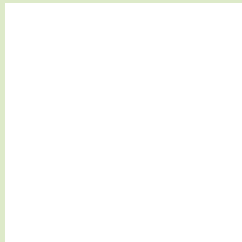
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.4348, 0.3247, 0.3649

Background



This preview shows how black text looks on a background with the Yxy color 78.4348, 0.3247, 0.3649.

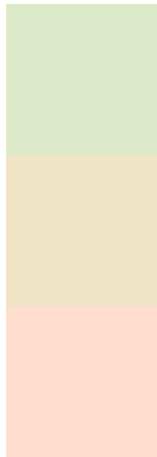


This preview shows how white text looks on a background with the Yxy color 78.4348, 0.3247, 0.3649.

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

78.4348, 0.3247, 0.3649

Protanopia

78.0893, 0.3411, 0.3606

Deuteranopia

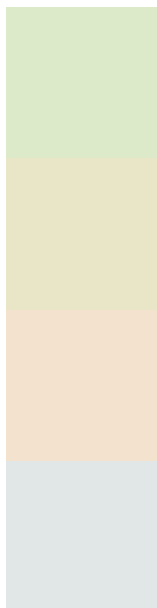
78.0566, 0.3463, 0.3433



Tritanopia

78.6346, 0.3015, 0.3104

Trichromacy



Original Color

78.4348, 0.3247, 0.3649

Protanomaly

78.0408, 0.3350, 0.3621

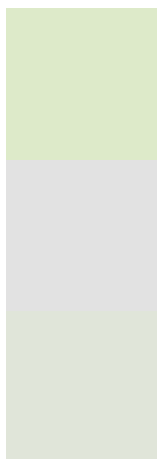
Deuteranomaly

77.8552, 0.3389, 0.3509

Tritanomaly

78.3144, 0.3093, 0.3290

Monochromacy



Original Color

78.4348, 0.3247, 0.3649

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 78.4348, 0.3247, 0.3649 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, 234, 201)` looks like.

```
.text, #text, p{  
    color:rgb(221, 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(221, 234, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 234, 201) }
```

Border

The CSS property to change the border of an element to Yxy 78.4348, 0.3247, 0.3649 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, 234, 201) }
```

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

```
.border{ border-color:rgb(221, 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(221, 234, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 234, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 234, 201);  
box-shadow:4px 4px 4px 4px rgb(221, 234,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 78.4348, 0.3247, 0.3649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 234, 201) }
```

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

```
.background{ background-color: rgb(221,  
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](#).

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