

Converting Colors

$Yxy(78.8013, 0.3254, 0.3637)$

Have a look what the booklet for
Yxy(78.8013, 0.3254, 0.3637)
contains.

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Color

Yxy(78.7979, 0.3254, 0.3637)

Conversions

Conversions Part 1

Format	Color
Hex	DFEACA
RGB	223, 234, 202
RGB Percent	87%, 92%, 79%
CMY	0.1257, 0.0823, 0.2079
CMYK	0.05, 0.00, 0.14, 0.08
HSL	81°, 43%, 85%
HSV	81°, 14%, 92%
XYZ	70.5000, 78.7979, 67.3584
YIQ	227.0630, 3.7160, -12.2840

Conversions

Conversions Part 2

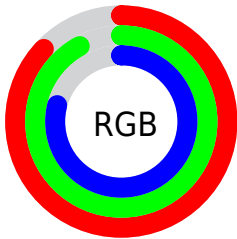
Format	Color
R_{YB}	202, 234, 213
Decimal	14674634
CIE _{Lab}	91.14, -9.22, 14.31
CIE _{LCh}	91, 17.025, 122.776
Yxy	78.7979, 0.3254, 0.3637
Android (android.graphics.Color)	4292864714 (0xFFDFEACA)
YUV	227.0630, -12.3561, -3.5633
Hunter-Lab	88.7682, -13.5791, 17.1477

Details

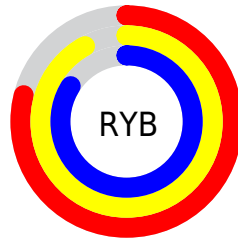
The Yxy color **78.7979, 0.3254, 0.3637** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.3297, 0.2988, 0.2936**, and the grayscale version is **76.9489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.3037, 0.3284, 0.3713** is the 20% darker color. If you saturate the color by 10%, you get **76.5212, 0.3346, 0.3909**, and if you desaturate by 10%, it is **81.3110, 0.3161, 0.3380**.

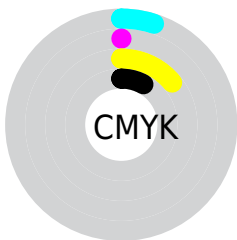
Distribution



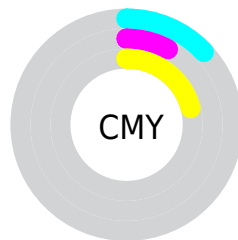
- Red (87%)
- Green (92%)
- Blue (79%)



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



- Cyan (5%)
- Magenta (0%)
- Yellow (14%)
- Black (8%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.7979, 0.3254, 0.3637 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 78.7979, 0.3254, 0.3637 by changing the saturation by 10% instead.

■ 78.7979, 0.3254,
0.3637

■ 78.7979, 0.3254,
0.3637

490.8724, 0.3198,
0.3476

■ 58.7297, 0.3266,
0.3674

131.6743, 0.3235,
0.3581

■ 42.3955, 0.3281,
0.3719

165.2513, 0.3227,
0.3559

■ 29.4111, 0.3300,
0.3777

204.0999, 0.3221,
0.3541

■ 19.3921, 0.3323,
0.3853

248.6046, 0.3215,
0.3524

■ 11.9539, 0.3354,
0.3956

299.1499, 0.3210,
0.3510

■ 6.7123, 0.3395,
0.4105

356.1200, 0.3205,

■ 3.2828, 0.3451,

0.3497

0.4338

419.8993, 0.3201,
0.3486

■ 1.2811, 0.3696,
0.4974

■ 0.1265, 0.0000,
1.0000

■ 78.7979, 0.3254,
0.3637

■ 78.7979, 0.3254,
0.3637

■ 76.5212, 0.3346,
0.3909

■ 81.3110, 0.3161,
0.3380

■ 74.4622, 0.3434,
0.4190

■ 84.0581, 0.3070,
0.3142

■ 72.6153, 0.3512,
0.4471

■ 85.8931, 0.3085,
0.3085

■ 70.9709, 0.3577,
0.4742

■ 87.3389, 0.3137,
0.3088

■ 69.5183, 0.3622,
0.4989

■ 68.2456, 0.3645,
0.5201

■ 67.1392, 0.3642,
0.5366

■ 66.1828, 0.3615,
0.5481

■ 65.6411, 0.3589,
0.5532

Harmonies

Analogous

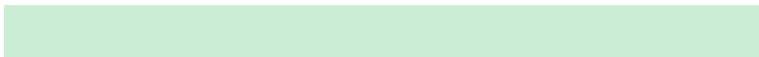
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.7979, 0.3425, 0.3623



78.7979, 0.3254, 0.3637



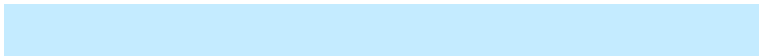
78.7979, 0.3053, 0.3550

Triad

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



78.7979, 0.3254, 0.3637



78.7979, 0.2752, 0.3047



78.7979, 0.3381, 0.3191

Complementary

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



78.7979, 0.3254, 0.3637



62.3297, 0.2988, 0.2936

Split Complementary

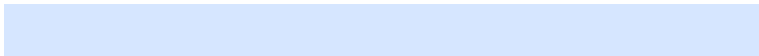
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.7979, 0.3193, 0.3049



78.7979, 0.3254, 0.3637



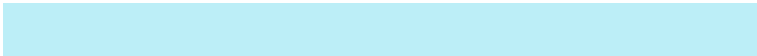
78.7979, 0.2832, 0.2964

Square

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



78.7979, 0.3254, 0.3637



78.7979, 0.2767, 0.3200



78.7979, 0.2992, 0.2967



78.7979, 0.3501, 0.3361

Rectangle

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



78.7979, 0.3254, 0.3637



78.7979, 0.2930, 0.3447



78.7979, 0.2992, 0.2967



78.7979, 0.3323, 0.3139

Sweetspot

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



78.8013, 0.3254, 0.3637



98.6976, 0.3164, 0.3388



69.1785, 0.3363, 0.3406



21.0740, 0.3171, 0.3407



0.0000, 0.0000, 0.0000



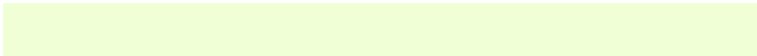
21.4041, 0.3127, 0.3290

Same Dimension

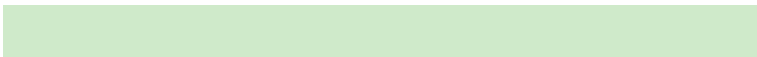
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.8013, 0.3254, 0.3637



95.0671, 0.3276, 0.3701



76.4341, 0.3146, 0.3649



17.3512, 0.3215, 0.3526



36.9510, 0.3598, 0.5525



2.9545, 0.3682, 0.5459

Inverse Universe

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



62.3297, 0.2988, 0.2936



71.9588, 0.2960, 0.2869



64.7803, 0.3103, 0.2948



14.8021, 0.3034, 0.3050



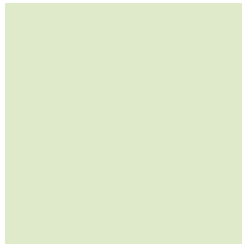
4.3820, 0.1764, 0.0745



0.3958, 0.1916, 0.0829

Previews

White Background



This preview shows how the Yxy color 78.7979, 0.3254, 0.3637 looks on a white background.

Color Contrast Check

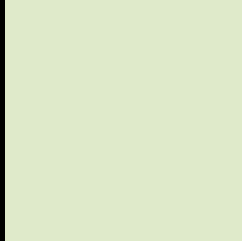
Large Text (above 18pt) WCAG AA × Fail

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 78.7979, 0.3254, 0.3637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

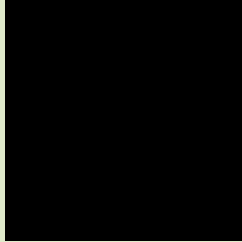
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

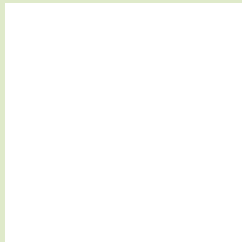
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.7979, 0.3254, 0.3637

Background



This preview shows how black text looks on a background with the Yxy color 78.7979, 0.3254, 0.3637.

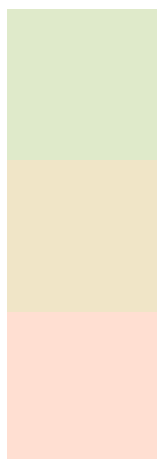


This preview shows how white text looks on a background with the Yxy color 78.7979, 0.3254, 0.3637.

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

78.7979, 0.3254, 0.3637

Protanopia

78.6874, 0.3403, 0.3605

Deuteranopia

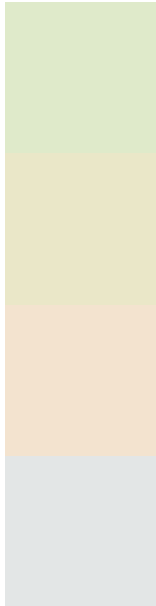
78.6885, 0.3447, 0.3422



Tritanopia

78.7986, 0.3021, 0.3104

Trichromacy



Original Color

78.7979, 0.3254, 0.3637

Protanomaly

78.8144, 0.3349, 0.3619

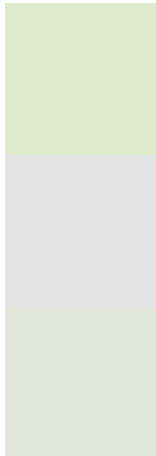
Deuteranomaly

78.4979, 0.3373, 0.3498

Tritanomaly

78.6377, 0.3107, 0.3290

Monochromacy



Original Color

78.7979, 0.3254, 0.3637

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

77.8243, 0.3176, 0.3418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.7979, 0.3254, 0.3637 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, 234, 202)` looks like.

```
.text, #text, p{  
    color:rgb(223, 234, 202)  
}
```

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, 234, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 234, 202) }
```

Border

The CSS property to change the border of an element to Yxy 78.7979, 0.3254, 0.3637 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, 234, 202) }
```

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

```
.border{ border-color:rgb(223, 234, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 234, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 234, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 234, 202);  
box-shadow:4px 4px 4px 4px rgb(223, 234,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 78.7979, 0.3254, 0.3637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 234, 202) }
```

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

```
.background{ background-color: rgb(223,  
234, 202) }
```

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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