

Converting Colors

$Yxy(76.8304, 0.3176, 0.3564)$

Have a look what the booklet for
Yxy(76.8304, 0.3176, 0.3564)
contains.

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Color

Yxy(76.8171, 0.3176, 0.3564)

Conversions

Conversions Part 1

Format	Color
Hex	D8E8CF
RGB	216, 232, 207
RGB Percent	85%, 91%, 81%
CMY	0.1527, 0.0903, 0.1881
CMYK	0.07, 0.00, 0.11, 0.09
HSL	98°, 35%, 86%
HSV	98°, 11%, 91%
XYZ	68.4543, 76.8171, 70.2648
YIQ	224.3660, -1.5110, -11.1670

Conversions

Conversions Part 2

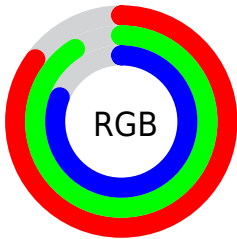
Format	Color
RYB	207, 232, 223
Decimal	14215375
CIELab	90.24, -9.73, 10.34
CIElCh	90, 14.199, 133.282
Yxy	76.8171, 0.3176, 0.3564
Android (android.graphics.Color)	4292405455 (0xFFD8E8CF)
YUV	224.3660, -8.5614, -7.3370
Hunter-Lab	87.6454, -13.9642, 13.8193

Details

The Yxy color **76.8171, 0.3176, 0.3564** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.1416, 0.3073, 0.3020**, and the grayscale version is **74.8897, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.9276, 0.3182, 0.3621** is the 20% darker color. If you saturate the color by 10%, you get **73.6137, 0.3220, 0.3845**, and if you desaturate by 10%, it is **80.3968, 0.3131, 0.3308**.

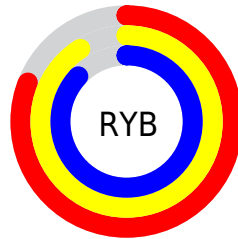
Distribution



Red (85%)

Green (91%)

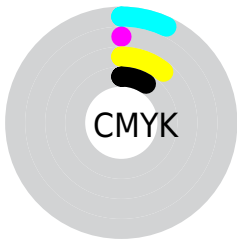
Blue (81%)



Red (81%)

Yellow (91%)

Blue (87%)

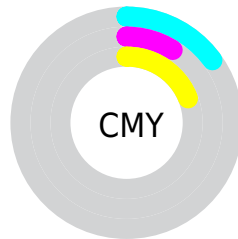


Cyan (7%)

Magenta (0%)

Yellow (11%)

Black (9%)



Cyan (15%)

Magenta (9%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.8171, 0.3176, 0.3564 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 76.8171, 0.3176, 0.3564 by changing the saturation by 10% instead.

■ 76.8171, 0.3176,
0.3564

■ 76.8171, 0.3176,
0.3564

484.1402, 0.3155,
0.3436

■ 57.1028, 0.3181,
0.3593

128.8813, 0.3169,
0.3519

■ 41.0878, 0.3186,
0.3630

161.9999, 0.3166,
0.3502

■ 28.3877, 0.3193,
0.3676

200.3554, 0.3163,
0.3487

■ 18.6181, 0.3201,
0.3737

244.3322, 0.3161,
0.3475

■ 11.3946, 0.3212,
0.3821

294.3147, 0.3159,
0.3463

■ 6.3329, 0.3225,
0.3944

350.6873, 0.3158,

■ 3.0486, 0.3243,

0.3453

0.4138

413.8343, 0.3156,
0.3444

■ 1.1571, 0.3347,
0.4614

■ 0.0263, 0.0000,
1.0000

■ 76.8171, 0.3176,
0.3564

■ 76.8171, 0.3176,
0.3564

■ 73.6137, 0.3220,
0.3845

■ 80.3968, 0.3131,
0.3308

■ 70.7641, 0.3259,
0.4147

■ 84.3548, 0.3085,
0.3079

■ 68.2582, 0.3291,
0.4463

■ 86.1853, 0.3138,
0.3068

■ 66.0819, 0.3313,
0.4782

■ 64.2198, 0.3321,
0.5088

■ 62.6552, 0.3311,
0.5363

■ 61.3695, 0.3284,
0.5588

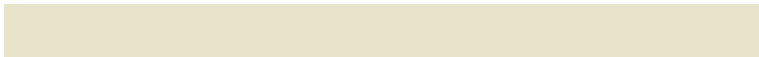
■ 60.3413, 0.3240,
0.5751

■ 59.5916, 0.3191,
0.5848

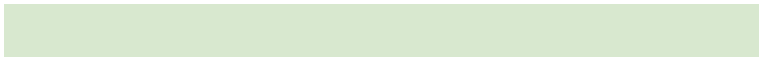
Harmonies

Analogous

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



76.8171, 0.3333, 0.3583



76.8171, 0.3176, 0.3564



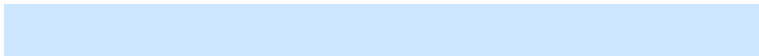
76.8171, 0.3009, 0.3465

Triad

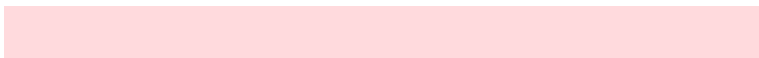
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.8171, 0.3176, 0.3564



76.8171, 0.2825, 0.3053



76.8171, 0.3384, 0.3256

Complementary

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



76.8171, 0.3176, 0.3564



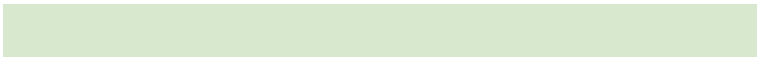
66.1416, 0.3073, 0.3020

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.



76.8171, 0.3242, 0.3124



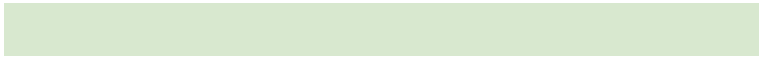
76.8171, 0.3176, 0.3564



76.8171, 0.2920, 0.3007

Square

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



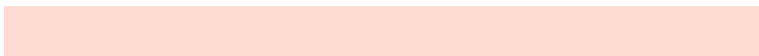
76.8171, 0.3176, 0.3564



76.8171, 0.2809, 0.3165



76.8171, 0.3071, 0.3034



76.8171, 0.3456, 0.3401

Rectangle

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



76.8171, 0.3176, 0.3564



76.8171, 0.2914, 0.3369



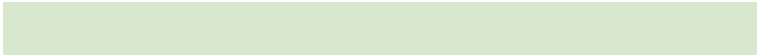
76.8171, 0.3071, 0.3034



76.8171, 0.3343, 0.3209

Sweetspot

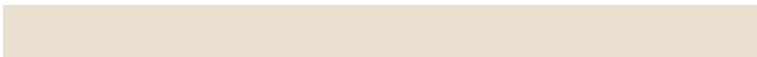
The Sweet Spot groups the original color and five complimentary colors.



76.8204, 0.3176, 0.3564



98.6034, 0.3141, 0.3364



74.3458, 0.3299, 0.3460



21.0268, 0.3145, 0.3384



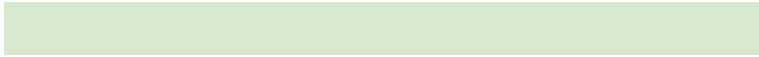
0.0000, 0.0000, 0.0000



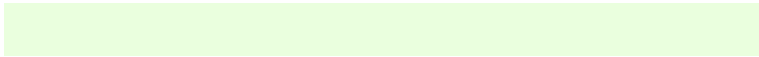
21.4041, 0.3127, 0.3290

Same Dimension

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



76.8204, 0.3176, 0.3564



94.2543, 0.3186, 0.3627



75.6448, 0.3093, 0.3531



16.3420, 0.3170, 0.3529



33.1523, 0.3202, 0.5840



2.5009, 0.3316, 0.5749

Inverse Universe

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



66.1416, 0.3073, 0.3020



78.4362, 0.3060, 0.2960



67.4286, 0.3163, 0.3060



14.3405, 0.3080, 0.3054



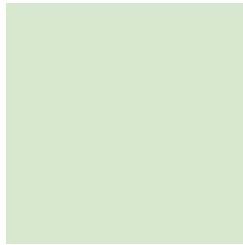
6.8013, 0.2319, 0.1051



0.5546, 0.2449, 0.1123

Previews

White Background



This preview shows how the Yxy color 76.8171, 0.3176, 0.3564 looks on a white background.

Color Contrast Check

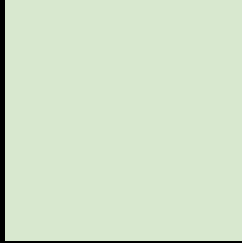
Large Text (above 18pt) WCAG AA × Fail

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 76.8171, 0.3176, 0.3564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

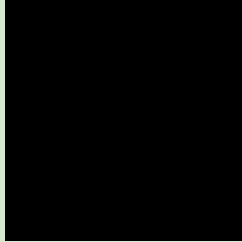
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

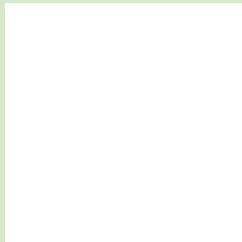
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.8171, 0.3176, 0.3564

Background



This preview shows how black text looks on a background with the Yxy color 76.8171, 0.3176, 0.3564.

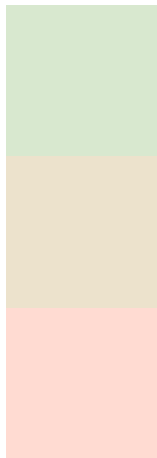


This preview shows how white text looks on a background with the Yxy color 76.8171, 0.3176, 0.3564.

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

76.8171, 0.3176, 0.3564

Protanopia

76.5852, 0.3344, 0.3524

Deuteranopia

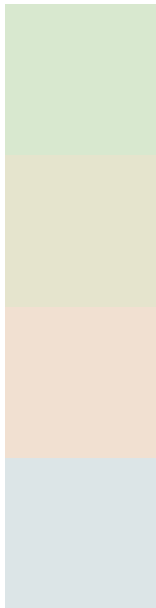
76.5762, 0.3454, 0.3382



Tritanopia

76.9994, 0.2987, 0.3111

Trichromacy



Original Color

76.8171, 0.3176, 0.3564

Protanomaly

76.5526, 0.3284, 0.3537

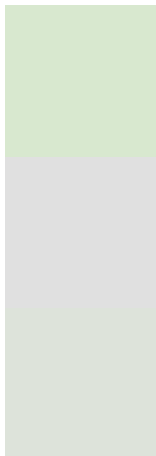
Deuteranomaly

76.6155, 0.3349, 0.3447

Tritanomaly

77.0238, 0.3054, 0.3268

Monochromacy



Original Color

76.8171, 0.3176, 0.3564

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.3723, 0.3143, 0.3387

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.8171, 0.3176, 0.3564 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(216, 232, 207)` looks like.

```
.text, #text, p{  
    color:rgb(216, 232, 207)  
}
```

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(216, 232, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 232, 207) }
```

Border

The CSS property to change the border of an element to Yxy 76.8171, 0.3176, 0.3564 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(216, 232, 207) }
```

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

```
.border{ border-color:rgb(216, 232, 207) }
```

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

Here you see how a box with a 4 pixel rgb(216, 232, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 232, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 232, 207);  
box-shadow:4px 4px 4px 4px rgb(216, 232,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 76.8171, 0.3176, 0.3564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 232, 207) }
```

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

```
.background{ background-color: rgb(216,  
232, 207) }
```

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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