

Converting Colors

$Yxy(77.0989, 0.3234, 0.3680)$

Have a look what the booklet for
Yxy(77.0989, 0.3234, 0.3680)
contains.

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Color

Yxy(76.9540, 0.3232, 0.3676)

Conversions

Conversions Part 1

Format	Color
Hex	D8E9C6
RGB	216, 233, 198
RGB Percent	85%, 91%, 78%
CMY	0.1528, 0.0863, 0.2234
CMYK	0.07, 0.00, 0.15, 0.09
HSL	89°, 44%, 85%
HSV	89°, 15%, 91%
XYZ	67.6592, 76.9540, 64.7284
YIQ	223.9270, 1.1030, -14.4890

Conversions

Conversions Part 2

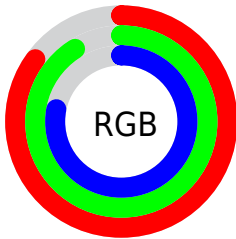
Format	Color
RYB	198, 233, 215
Decimal	14215622
CIELab	90.30, -11.75, 15.11
CIELCh	90, 19.139, 127.867
Yxy	76.9540, 0.3232, 0.3676
Android (android.graphics.Color)	4292405702 (0xFFD8E9C6)
YUV	223.9270, -12.7820, -6.9520
Hunter-Lab	87.7234, -15.8427, 17.6581

Details

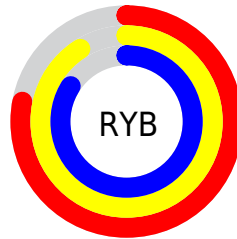
The Yxy color **76.9540, 0.3232, 0.3676** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **60.7292, 0.3009, 0.2904**, and the grayscale version is **74.5849, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.0350, 0.3255, 0.3767** is the 20% darker color. If you saturate the color by 10%, you get **74.2999, 0.3300, 0.3958**, and if you desaturate by 10%, it is **79.8986, 0.3162, 0.3413**.

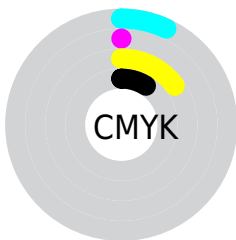
Distribution



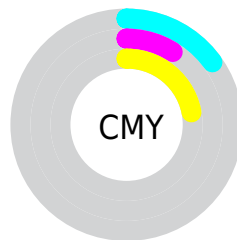
- Red (85%)
- Green (91%)
- Blue (78%)



- Red (78%)
- Yellow (91%)
- Blue (84%)



- Cyan (7%)
- Magenta (0%)
- Yellow (15%)
- Black (9%)




- Cyan (15%)
- Magenta (9%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.9540, 0.3232, 0.3676 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 76.9540, 0.3232, 0.3676 by changing the saturation by 10% instead.

 76.9540, 0.3232,
0.3676

 76.9540, 0.3232,
0.3676


484.6072, 0.3186,
0.3495

 57.2151, 0.3242,
0.3718


129.0745, 0.3216,
0.3613

 41.1780, 0.3254,
0.3769

162.2250, 0.3210,
0.3589

 28.4582, 0.3269,
0.3835


200.6148, 0.3205,
0.3568

 18.6713, 0.3287,
0.3922

244.6283, 0.3200,
0.3549

 11.4330, 0.3310,
0.4041

294.6498, 0.3196,
0.3533

 6.3589, 0.3340,
0.4215

351.0639, 0.3192,

 3.0645, 0.3376,

0.3519

0.4490

414.2549, 0.3189,
0.3507

■ 1.1655, 0.3711,
0.5426

■ 0.0333, 0.0000,
1.0000

■ 76.9540, 0.3232,
0.3676

■ 76.9540, 0.3232,
0.3676

■ 74.2999, 0.3300,
0.3958

■ 79.8986, 0.3162,
0.3413

■ 71.9165, 0.3362,
0.4252

■ 83.1332, 0.3093,
0.3173

■ 69.7964, 0.3415,
0.4552

■ 85.8091, 0.3104,
0.3076

■ 67.9285, 0.3454,
0.4844

■ 86.7556, 0.3137,
0.3078

■ 66.3002, 0.3474,
0.5114

■ 64.8979, 0.3473,
0.5346

■ 63.7060, 0.3449,
0.5528

■ 62.7057, 0.3404,
0.5654

■ 62.2649, 0.3376,
0.5701

Harmonies

Analogous

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



76.9540, 0.3436, 0.3678



76.9540, 0.3232, 0.3676



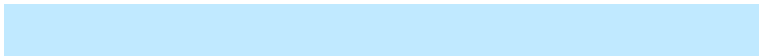
76.9540, 0.3005, 0.3559

Triad

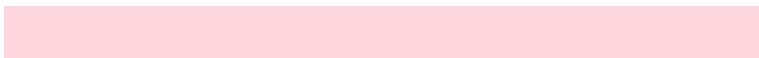
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.9540, 0.3232, 0.3676



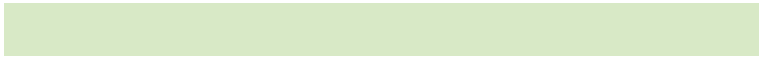
76.9540, 0.2711, 0.2992



76.9540, 0.3445, 0.3209

Complementary

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



76.9540, 0.3232, 0.3676



60.7292, 0.3009, 0.2904

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.



76.9540, 0.3240, 0.3042



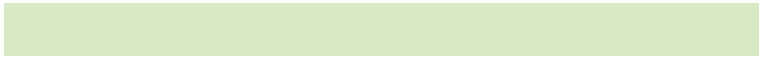
76.9540, 0.3232, 0.3676



76.9540, 0.2819, 0.2916

Square

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



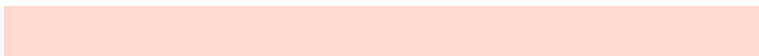
76.9540, 0.3232, 0.3676



76.9540, 0.2710, 0.3153



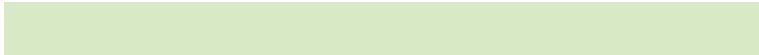
76.9540, 0.3010, 0.2936



76.9540, 0.3563, 0.3401

Rectangle

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



76.9540, 0.3232, 0.3676



76.9540, 0.2872, 0.3433



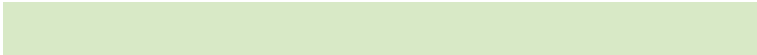
76.9540, 0.3010, 0.2936



76.9540, 0.3383, 0.3149

Sweetspot

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



76.9573, 0.3232, 0.3676



98.0514, 0.3162, 0.3414



69.9658, 0.3380, 0.3474



20.9300, 0.3167, 0.3432



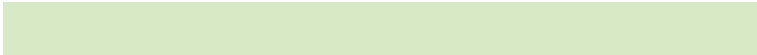
0.0000, 0.0000, 0.0000



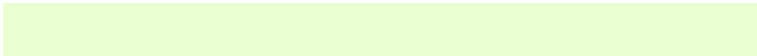
21.4041, 0.3127, 0.3290

Same Dimension

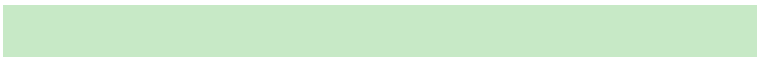
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.9573, 0.3232, 0.3676



93.4065, 0.3253, 0.3761



74.4427, 0.3112, 0.3690



17.2434, 0.3193, 0.3528



35.4060, 0.3387, 0.5692



2.8375, 0.3491, 0.5610

Inverse Universe

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



60.7292, 0.3009, 0.2904



69.9207, 0.2981, 0.2819



63.5082, 0.3140, 0.2919



14.9076, 0.3056, 0.3052



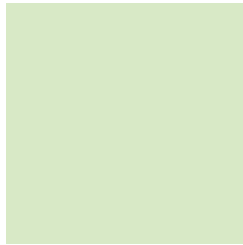
5.4054, 0.1996, 0.0873



0.4815, 0.2147, 0.0957

Previews

White Background



This preview shows how the Yxy color 76.9540, 0.3232, 0.3676 looks on a white background.

Color Contrast Check

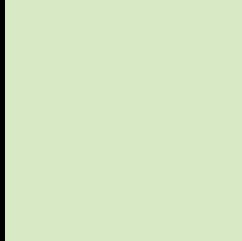
Large Text (above 18pt) WCAG AA × Fail

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 76.9540, 0.3232, 0.3676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

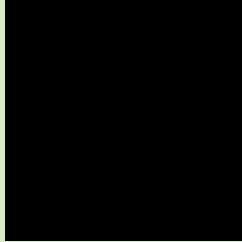
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

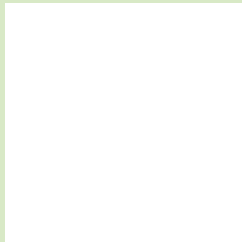
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.9540, 0.3232, 0.3676

Background



This preview shows how black text looks on a background with the Yxy color 76.9540, 0.3232, 0.3676.

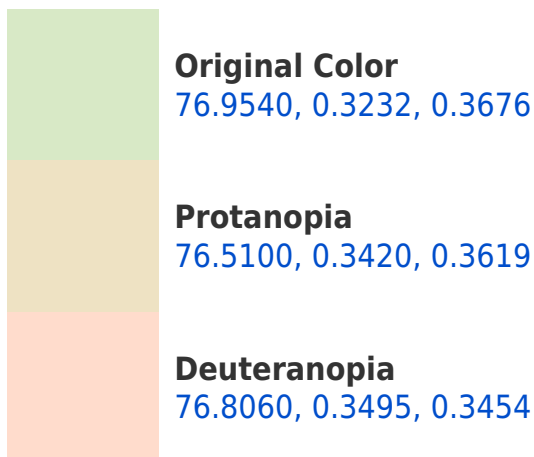


This preview shows how white text looks on a background with the Yxy color 76.9540, 0.3232, 0.3676.

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

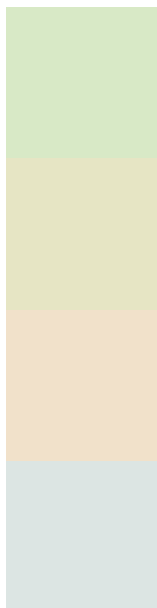




Tritanopia

76.6123, 0.2994, 0.3101

Trichromacy



Original Color

76.9540, 0.3232, 0.3676

Protanomaly

76.8471, 0.3350, 0.3646

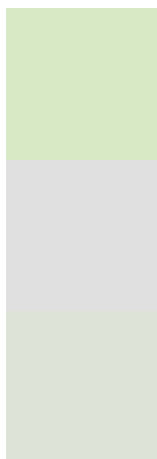
Deuteranomaly

76.8155, 0.3396, 0.3532

Tritanomaly

76.8003, 0.3078, 0.3311

Monochromacy



Original Color

76.9540, 0.3232, 0.3676

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.2166, 0.3163, 0.3420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9540, 0.3232, 0.3676 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, 233, 198)` looks like.

```
.text, #text, p{  
    color:rgb(216, 233, 198)  
}
```

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, 233, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 233, 198) }
```

Border

The CSS property to change the border of an element to Yxy 76.9540, 0.3232, 0.3676 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, 233, 198) }
```

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

```
.border{ border-color:rgb(216, 233, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 233, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 233, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 233, 198);  
box-shadow:4px 4px 4px 4px rgb(216, 233,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9540, 0.3232, 0.3676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 233, 198) }
```

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

```
.background{ background-color: rgb(216,  
233, 198) }
```

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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