

Converting Colors

$Yxy(75.3964, 0.3415, 0.3860)$

Have a look what the booklet for
Yxy(75.3964, 0.3415, 0.3860)
contains.

| | |
|--|----|
| Yxy(75.4960, 0.3416, 0.3863) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(75.4960, 0.3416, 0.3863)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | DFE6B2 |
| RGB | 223, 230, 178 |
| RGB Percent | 87%, 90%, 70% |
| CMY | 0.1256, 0.0980, 0.3019 |
| CMYK | 0.03, 0.00, 0.23, 0.10 |
| HSL | 68°, 51%, 80% |
| HSV | 68°, 23%, 90% |
| XYZ | 66.7601, 75.4960, 53.1775 |
| YIQ | 221.9790, 12.5200, -17.6560 |

Conversions

Conversions Part 2

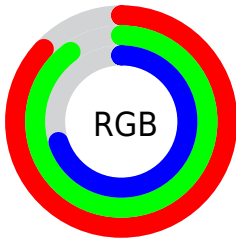
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 178, 230, 185 |
| Decimal | 14673586 |
| CIELab | 89.62, -10.82, 24.61 |
| CIELCh | 90, 26.884, 113.738 |
| Yxy | 75.4960, 0.3416, 0.3863 |
| Android (android.graphics.Color) | 4292863666 (0xFFDFE6B2) |
| YUV | 221.9790, -21.6816, 0.8954 |
| Hunter-Lab | 86.8884, -14.9055, 24.5352 |

Details

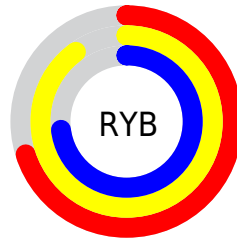
The Yxy color **75.4960, 0.3416, 0.3863** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **47.8782, 0.2797, 0.2666**, and the grayscale version is **73.1811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7205, 0.3250, 0.3493**, and **40.3561, 0.3473, 0.4009** is the 20% darker color. If you saturate the color by 10%, you get **74.1620, 0.3542, 0.4124**, and if you desaturate by 10%, it is **77.0007, 0.3287, 0.3604**.

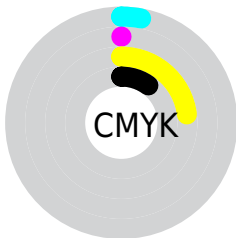
Distribution



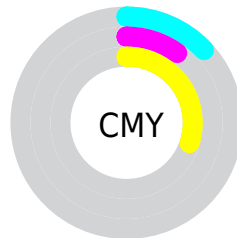
- Red (87%)
- Green (90%)
- Blue (70%)



- Red (70%)
- Yellow (90%)
- Blue (73%)



- Cyan (3%)
- Magenta (0%)
- Yellow (23%)
- Black (10%)




- Cyan (13%)
- Magenta (10%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.4960, 0.3416, 0.3863 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 75.4960, 0.3416, 0.3863 by changing the saturation by 10% instead.


 75.4960, 0.3416,
0.3863

 75.4960, 0.3416,
0.3863

479.6207, 0.3287,
0.3595

 56.0193, 0.3444,
0.3925


 127.0142, 0.3372,
0.3770

 40.2184, 0.3478,
0.4001


159.8246, 0.3355,
0.3733

 27.7089, 0.3520,
0.4098


197.8482, 0.3340,
0.3702

 18.1063, 0.3572,
0.4224

241.4697, 0.3327,
0.3675

 11.0264, 0.3638,
0.4396

291.0732, 0.3315,
0.3651

 6.0846, 0.3721,
0.4640


347.0433, 0.3305,

 2.8966, 0.3844,


0.3630

0.5035


409.7643, 0.3295,
0.3612

 1.0780, 0.4098,
0.5902


 0.0000, 0.0000,
0.0000


 75.4960, 0.3416,
0.3863

 75.4960, 0.3416,
0.3863

 74.1620, 0.3542,
0.4124


 77.0007, 0.3287,
0.3604


 72.9809, 0.3660,
0.4378

 78.6732, 0.3160,
0.3353

 71.9476, 0.3765,
0.4615

 80.5238, 0.3037,
0.3116


 71.0528, 0.3850,
0.4824


 81.5535, 0.3009,
0.3039


 70.2861, 0.3912,
0.4995

 82.0888, 0.3029,
0.3040


 69.6356, 0.3949,
0.5123

 82.6334, 0.3049,
0.3042

 69.0869, 0.3959,
0.5205

 83.1873, 0.3070,
0.3043

 68.7297, 0.3954,
0.5243

 83.7506, 0.3091,
0.3045

 84.3234, 0.3111,
0.3046

Harmonies

Analogous

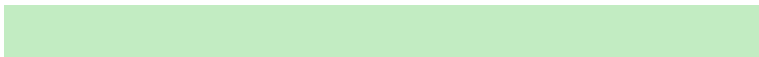
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.4960, 0.3663, 0.3780



75.4960, 0.3416, 0.3863



75.4960, 0.3100, 0.3775

Triad

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



75.4960, 0.3416, 0.3863



75.4960, 0.2527, 0.2958



75.4960, 0.3449, 0.3058

Complementary

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



75.4960, 0.3416, 0.3863



47.8782, 0.2797, 0.2666

Split Complementary

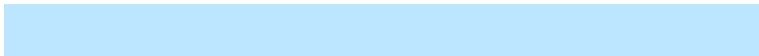
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.4960, 0.3129, 0.2863



75.4960, 0.3416, 0.3863



75.4960, 0.2608, 0.2798

Square

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



75.4960, 0.3416, 0.3863



75.4960, 0.2596, 0.3227



75.4960, 0.2823, 0.2768



75.4960, 0.3687, 0.3312

Rectangle

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



75.4960, 0.3416, 0.3863



75.4960, 0.2894, 0.3627



75.4960, 0.2823, 0.2768



75.4960, 0.3347, 0.2984

Sweetspot

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



75.4993, 0.3416, 0.3863



98.4483, 0.3216, 0.3463



54.7140, 0.3573, 0.3370



21.0445, 0.3224, 0.3478



0.0000, 0.0000, 0.0000



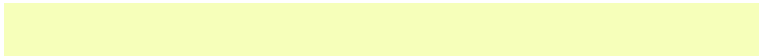
21.4041, 0.3127, 0.3290

Same Dimension

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



75.4993, 0.3416, 0.3863



94.6085, 0.3474, 0.3982



71.6953, 0.3229, 0.3898



16.7132, 0.3247, 0.3524



38.9460, 0.3958, 0.5240



2.9054, 0.3994, 0.5211

Inverse Universe

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



47.8782, 0.2797, 0.2666



54.0644, 0.2719, 0.2523



51.3994, 0.2999, 0.2702



13.9801, 0.3001, 0.3048



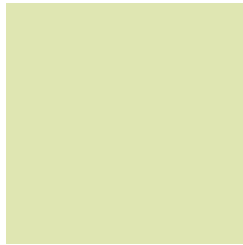
3.4303, 0.1554, 0.0629



0.2835, 0.1661, 0.0688

Previews

White Background



This preview shows how the Yxy color 75.4960, 0.3416, 0.3863 looks on a white background.

Color Contrast Check

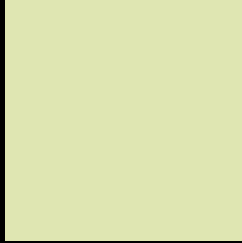
Large Text (above 18pt) WCAG AA × Fail

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 75.4960, 0.3416, 0.3863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

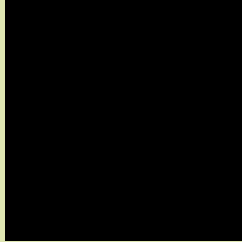
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

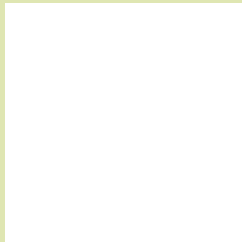
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.4960, 0.3416, 0.3863

Background



This preview shows how black text looks on a background with the Yxy color 75.4960, 0.3416, 0.3863.



This preview shows how white text looks on a background with the Yxy color 75.4960, 0.3416, 0.3863.

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

75.4960, 0.3416, 0.3863

Protanopia

75.5103, 0.3568, 0.3811

Deuteranopia

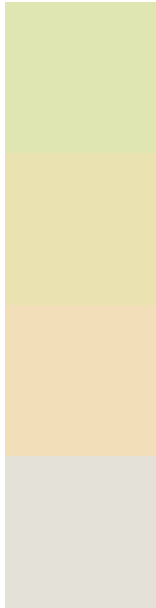
75.1644, 0.3594, 0.3568



Tritanopia

75.4635, 0.3080, 0.3113

Trichromacy



Original Color

75.4960, 0.3416, 0.3863

Protanomaly

75.6049, 0.3511, 0.3829

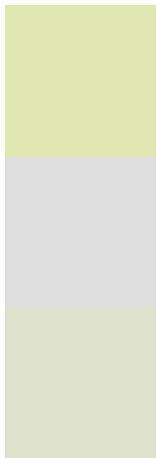
Deuteranomaly

74.8424, 0.3529, 0.3671

Tritanomaly

75.3542, 0.3201, 0.3376

Monochromacy



Original Color

75.4960, 0.3416, 0.3863

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

73.8363, 0.3231, 0.3498

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.4960, 0.3416, 0.3863 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, 230, 178)` looks like.

```
.text, #text, p{  
    color:rgb(223, 230, 178)  
}
```

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, 230, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 230, 178) }
```

Border

The CSS property to change the border of an element to Yxy 75.4960, 0.3416, 0.3863 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, 230, 178) }
```

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

```
.border{ border-color:rgb(223, 230, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 230, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 230, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 230, 178);  
box-shadow:4px 4px 4px 4px rgb(223, 230,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 75.4960, 0.3416, 0.3863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 230, 178) }
```

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

```
.background{ background-color: rgb(223,  
230, 178) }
```

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