

Converting Colors

$Y_{xy}(75.9750, 0.3203, 0.3602)$

Have a look what the booklet for
Yxy(75.9750, 0.3203, 0.3602)
contains.

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Color

Yxy(76.0626, 0.3202, 0.3599)

Conversions

Conversions Part 1

Format	Color
Hex	D8E7CB
RGB	216, 231, 203
RGB Percent	85%, 91%, 80%
CMY	0.1530, 0.0941, 0.2040
CMYK	0.06, 0.00, 0.12, 0.09
HSL	92°, 37%, 85%
HSV	92°, 12%, 91%
XYZ	67.6723, 76.0626, 67.6089
YIQ	223.3230, 0.0480, -11.8880

Conversions

Conversions Part 2

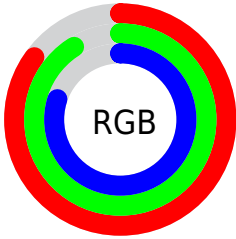
Format	Color
R _Y B	203, 231, 218
Decimal	14215115
CIE Lab	89.89, -9.94, 11.94
CIE LCh	90, 15.539, 129.786
Yxy	76.0626, 0.3202, 0.3599
Android (android.graphics.Color)	4292405195 (0xFFD8E7CB)
YUV	223.3230, -10.0192, -6.4223
Hunter-Lab	87.2139, -14.1200, 15.0877

Details

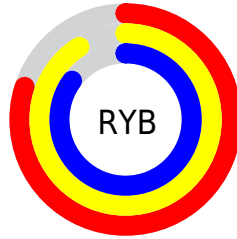
The Yxy color **76.0626, 0.3202, 0.3599** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **63.3843, 0.3044, 0.2983**, and the grayscale version is **74.1071, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.4069, 0.3216, 0.3666** is the 20% darker color. If you saturate the color by 10%, you get **73.2304, 0.3262, 0.3878**, and if you desaturate by 10%, it is **79.2075, 0.3140, 0.3342**.

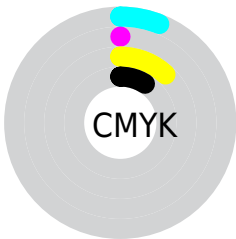
Distribution



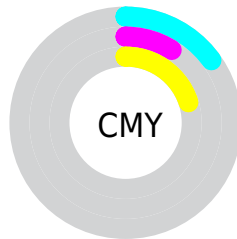
- Red (85%)
- Green (91%)
- Blue (80%)



- Red (80%)
- Yellow (91%)
- Blue (85%)



- Cyan (6%)
- Magenta (0%)
- Yellow (12%)
- Black (9%)




- Cyan (15%)
- Magenta (9%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.0626, 0.3202, 0.3599 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 76.0626, 0.3202, 0.3599 by changing the saturation by 10% instead.


 76.0626, 0.3202,
0.3599

 76.0626, 0.3202,
0.3599

481.5620, 0.3169,
0.3455

 56.4838, 0.3209,
0.3632


127.8154, 0.3191,
0.3549

 40.5910, 0.3218,
0.3674


160.7582, 0.3186,
0.3529

 27.9996, 0.3229,
0.3726


198.9245, 0.3183,
0.3512

 18.3254, 0.3242,
0.3796

242.6987, 0.3179,
0.3498

 11.1838, 0.3259,
0.3891

292.4651, 0.3176,
0.3485

 6.1906, 0.3282,
0.4031


348.6082, 0.3173,

 2.9613, 0.3312,


0.3474

0.4253


411.5124, 0.3171,
0.3464


 1.1116, 0.3520,
0.4904

 0.0000, 0.0000,
0.0000


 76.0626, 0.3202,
0.3599


 76.0626, 0.3202,
0.3599


 73.2304, 0.3262,
0.3878


 79.2075, 0.3140,
0.3342

 70.6907, 0.3318,
0.4174

 82.6651, 0.3079,
0.3108

 68.4358, 0.3365,
0.4479

 85.2835, 0.3126,
0.3057

 66.4540, 0.3400,
0.4782

 85.6362, 0.3138,
0.3058

■ 64.7325, 0.3419,
0.5069

■ 63.2572, 0.3418,
0.5322

■ 62.0126, 0.3395,
0.5528

■ 60.9801, 0.3352,
0.5675

■ 60.2958, 0.3309,
0.5755

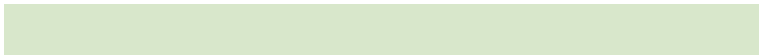
Harmonies

Analogous

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



76.0626, 0.3371, 0.3608



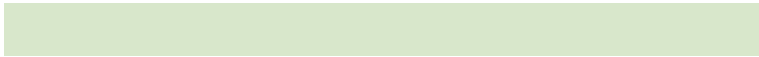
76.0626, 0.3202, 0.3599



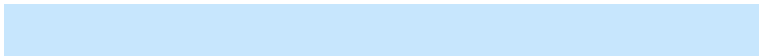
76.0626, 0.3017, 0.3499

Triad

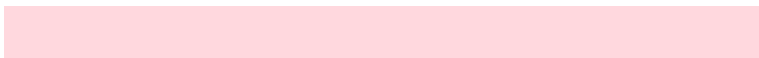
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.0626, 0.3202, 0.3599



76.0626, 0.2790, 0.3041



76.0626, 0.3394, 0.3235

Complementary

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



76.0626, 0.3202, 0.3599



63.3843, 0.3044, 0.2983

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.



76.0626, 0.3232, 0.3094



76.0626, 0.3202, 0.3599



76.0626, 0.2884, 0.2982

Square

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



76.0626, 0.3202, 0.3599



76.0626, 0.2783, 0.3170



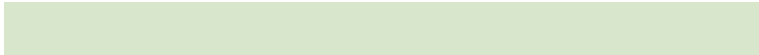
76.0626, 0.3044, 0.3002



76.0626, 0.3484, 0.3393

Rectangle

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



76.0626, 0.3202, 0.3599



76.0626, 0.2909, 0.3396



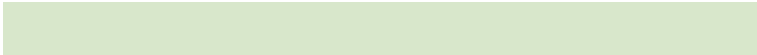
76.0626, 0.3044, 0.3002



76.0626, 0.3346, 0.3184

Sweetspot

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



76.0659, 0.3202, 0.3599



98.3384, 0.3152, 0.3389



71.4102, 0.3326, 0.3452



20.9831, 0.3157, 0.3408



0.0000, 0.0000, 0.0000



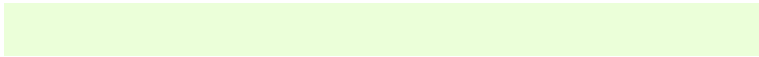
21.4041, 0.3127, 0.3290

Same Dimension

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



76.0659, 0.3202, 0.3599



94.0946, 0.3220, 0.3679



74.2077, 0.3106, 0.3597



16.4153, 0.3186, 0.3528



33.8724, 0.3320, 0.5746



2.5578, 0.3433, 0.5656

Inverse Universe

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



63.3843, 0.3044, 0.2983



74.7638, 0.3021, 0.2903



65.4158, 0.3148, 0.3001



14.2655, 0.3064, 0.3053



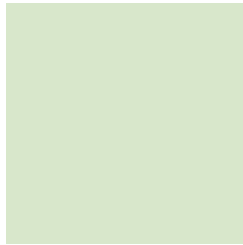
5.7023, 0.2097, 0.0929



0.4765, 0.2250, 0.1013

Previews

White Background



This preview shows how the Yxy color 76.0626, 0.3202, 0.3599 looks on a white background.

Color Contrast Check

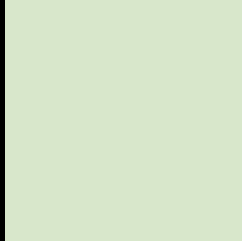
Large Text (above 18pt) WCAG AA × Fail

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 76.0626, 0.3202, 0.3599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

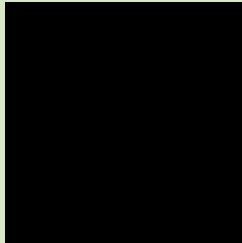
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

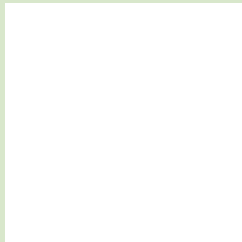
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.0626, 0.3202, 0.3599

Background



This preview shows how black text looks on a background with the Yxy color 76.0626, 0.3202, 0.3599.

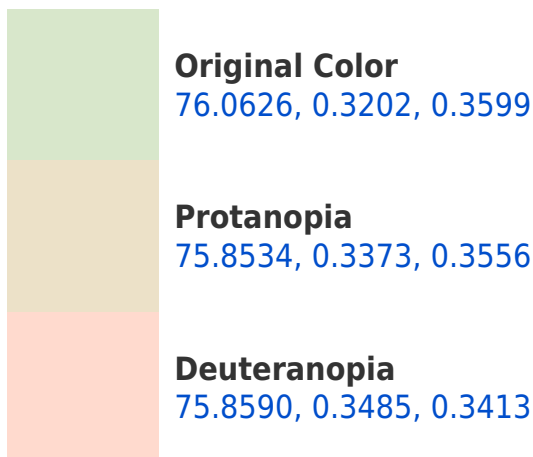


This preview shows how white text looks on a background with the Yxy color 76.0626, 0.3202, 0.3599.

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

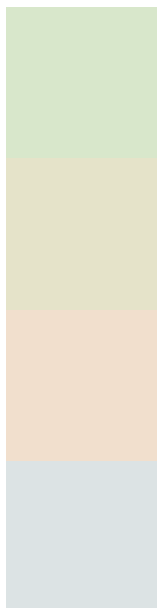




Tritanopia

75.8511, 0.2993, 0.3100

Trichromacy



Original Color

76.0626, 0.3202, 0.3599

Protanomaly

75.8132, 0.3312, 0.3571

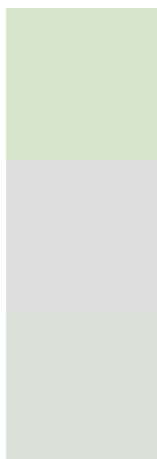
Deuteranomaly

75.8839, 0.3379, 0.3480

Tritanomaly

75.7553, 0.3073, 0.3279

Monochromacy



Original Color

76.0626, 0.3202, 0.3599

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

74.5662, 0.3150, 0.3399

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.0626, 0.3202, 0.3599 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, 231, 203)` looks like.

```
.text, #text, p{  
    color:rgb(216, 231, 203)  
}
```

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, 231, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 231, 203) }
```

Border

The CSS property to change the border of an element to Yxy 76.0626, 0.3202, 0.3599 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, 231, 203) }
```

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

```
.border{ border-color:rgb(216, 231, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 231, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 231, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 231, 203);  
box-shadow:4px 4px 4px 4px rgb(216, 231,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 76.0626, 0.3202, 0.3599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 231, 203) }
```

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

```
.background{ background-color: rgb(216,  
231, 203) }
```

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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