

Converting Colors

$Yxy(76.6305, 0.3346, 0.3796)$

Have a look what the booklet for
Yxy(76.6305, 0.3346, 0.3796)
contains.

Yxy(76.6305, 0.3346, 0.3796)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.6305, 0.3346, 0.3796)

Conversions

Conversions Part 1

Format	Color
Hex	DDE8BA
RGB	221, 232, 186
RGB Percent	87%, 91%, 73%
CMY	0.1332, 0.0902, 0.2705
CMYK	0.05, 0.00, 0.20, 0.09
HSL	74°, 50%, 82%
HSV	74°, 20%, 91%
XYZ	67.5463, 76.6305, 57.6949
YIQ	223.4670, 8.2100, -16.6380

Conversions

Conversions Part 2

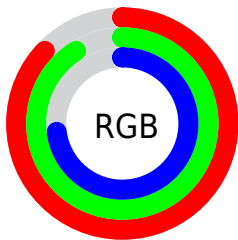
Format	Color
RYB	186, 232, 197
Decimal	14543034
CIELab	90.15, -11.35, 21.18
CIELCh	90, 24.030, 118.196
Yxy	76.6305, 0.3346, 0.3796
Android (android.graphics.Color)	4292733114 (0xFFDDE8BA)
YUV	223.4670, -18.4712, -2.1636
Hunter-Lab	87.5388, -15.4597, 22.2005

Details

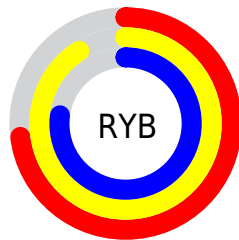
The Yxy color **76.6305, 0.3346, 0.3796** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **52.8201, 0.2878, 0.2757**, and the grayscale version is **74.2767, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1908, 0.3203, 0.3415**, and **40.8511, 0.3394, 0.3908** is the 20% darker color. If you saturate the color by 10%, you get **74.8712, 0.3455, 0.4066**, and if you desaturate by 10%, it is **78.5853, 0.3235, 0.3534**.

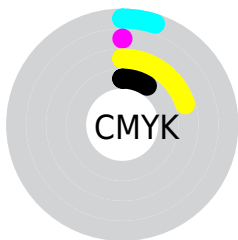
Distribution



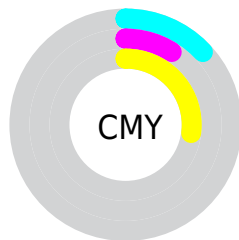
- Red (87%)
- Green (91%)
- Blue (73%)



- Red (73%)
- Yellow (91%)
- Blue (77%)



- Cyan (5%)
- Magenta (0%)
- Yellow (20%)
- Black (9%)



- Cyan (13%)
- Magenta (9%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.6305, 0.3346, 0.3796 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 76.6305, 0.3346, 0.3796 by changing the saturation by 10% instead.

■ 76.6305, 0.3346,
0.3796

■ 76.6305, 0.3346,
0.3796

483.5033, 0.3249,
0.3559

■ 56.9497, 0.3367,
0.3851

■ 128.6178, 0.3313,
0.3713

■ 40.9648, 0.3393,
0.3918

161.6930, 0.3300,
0.3681

■ 28.2916, 0.3424,
0.4004

200.0018, 0.3289,
0.3654

■ 18.5456, 0.3463,
0.4116

243.9285, 0.3279,
0.3630

■ 11.3424, 0.3513,
0.4270

293.8577, 0.3270,
0.3609

■ 6.2976, 0.3578,
0.4490


350.1736, 0.3262,


■ 3.0269, 0.3658,


0.3591


0.4829

413.2607, 0.3255,
0.3574


 1.1458, 0.4084,
0.5916


 0.0167, 0.0000,
1.0000


 76.6305, 0.3346,
0.3796


 76.6305, 0.3346,
0.3796


 74.8712, 0.3455,
0.4066


 78.5853, 0.3235,
0.3534


 73.2894, 0.3557,
0.4335


 80.7331, 0.3125,
0.3286


 71.8799, 0.3647,
0.4594

 83.0443, 0.3023,
0.3060

 70.6331, 0.3719,
0.4832


 84.0150, 0.3059,
0.3062


 69.5386, 0.3770,
0.5037


 85.0153, 0.3096,
0.3065


 68.5844, 0.3795,
0.5199

 86.0456, 0.3132,
0.3068

 67.7564, 0.3794,
0.5314

 86.1911, 0.3138,
0.3068

 67.0310, 0.3772,
0.5387

 67.0183, 0.3771,
0.5388

Harmonies

Analogous

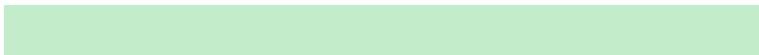
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.6305, 0.3579, 0.3747



76.6305, 0.3346, 0.3796



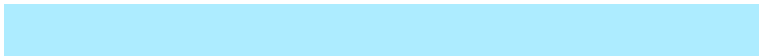
76.6305, 0.3062, 0.3694

Triad

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



76.6305, 0.3346, 0.3796



76.6305, 0.2593, 0.2968



76.6305, 0.3452, 0.3115

Complementary

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



76.6305, 0.3346, 0.3796



52.8201, 0.2878, 0.2757

Split Complementary

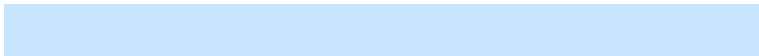
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.6305, 0.3173, 0.2929



76.6305, 0.3346, 0.3796



76.6305, 0.2685, 0.2839

Square

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



76.6305, 0.3346, 0.3796



76.6305, 0.2635, 0.3196



76.6305, 0.2894, 0.2829



76.6305, 0.3644, 0.3348

Rectangle

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



76.6305, 0.3346, 0.3796



76.6305, 0.2882, 0.3553



76.6305, 0.2894, 0.2829



76.6305, 0.3364, 0.3045

Sweetspot

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



76.6339, 0.3346, 0.3796



98.3679, 0.3193, 0.3438



60.5188, 0.3497, 0.3411



21.0179, 0.3200, 0.3455



0.0000, 0.0000, 0.0000



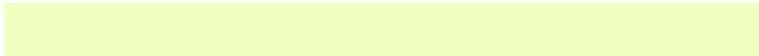
21.4041, 0.3127, 0.3290

Same Dimension

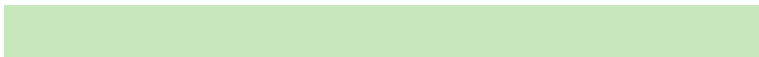
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.6339, 0.3346, 0.3796



94.0018, 0.3393, 0.3912



73.3009, 0.3185, 0.3822



16.6349, 0.3231, 0.3525



37.2680, 0.3778, 0.5382



2.7958, 0.3841, 0.5332

Inverse Universe

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



52.8201, 0.2878, 0.2757



59.1822, 0.2815, 0.2627



56.1262, 0.3053, 0.2784



14.0523, 0.3017, 0.3050



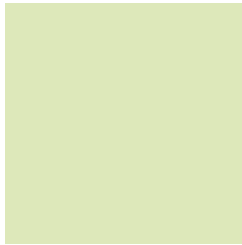
3.7390, 0.1635, 0.0675



0.3184, 0.1779, 0.0754

Previews

White Background



This preview shows how the Yxy color 76.6305, 0.3346, 0.3796 looks on a white background.

Color Contrast Check

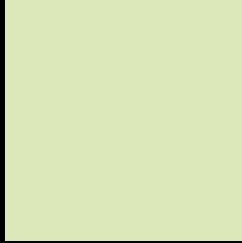
Large Text (above 18pt) WCAG AA × Fail

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 76.6305, 0.3346, 0.3796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

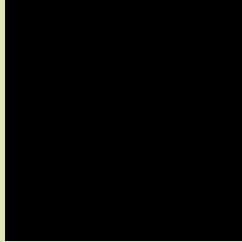
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

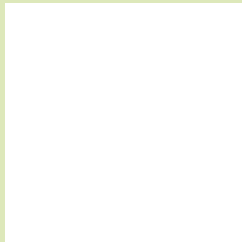
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.6305, 0.3346, 0.3796

Background



This preview shows how black text looks on a background with the Yxy color 76.6305, 0.3346, 0.3796.

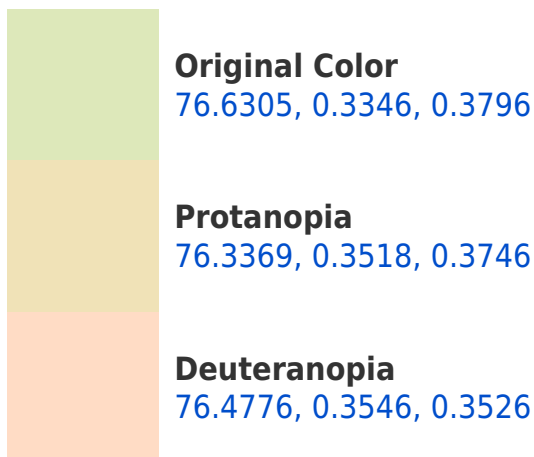


This preview shows how white text looks on a background with the Yxy color 76.6305, 0.3346, 0.3796.

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

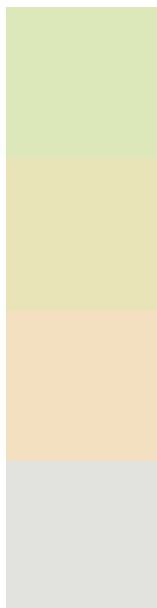




Tritanopia

76.3801, 0.3046, 0.3103

Trichromacy



Original Color

76.6305, 0.3346, 0.3796

Protanomaly

76.2711, 0.3454, 0.3764

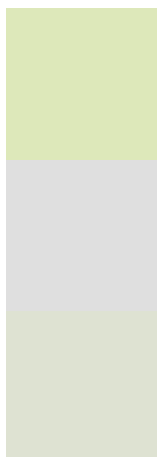
Deuteranomaly

76.2163, 0.3475, 0.3616

Tritanomaly

76.3808, 0.3152, 0.3343

Monochromacy



Original Color

76.6305, 0.3346, 0.3796

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

74.5755, 0.3203, 0.3464

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6305, 0.3346, 0.3796 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(221, 232, 186)` looks like.

```
.text, #text, p{  
    color:rgb(221, 232, 186)  
}
```

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(221, 232, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 232, 186) }
```

Border

The CSS property to change the border of an element to Yxy 76.6305, 0.3346, 0.3796 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(221, 232, 186) }
```

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

```
.border{ border-color:rgb(221, 232, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 232, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 232, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 232, 186);  
box-shadow:4px 4px 4px 4px rgb(221, 232,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6305, 0.3346, 0.3796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 232, 186) }
```

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

```
.background{ background-color: rgb(221,  
232, 186) }
```

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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