

Converting Colors

$Yxy(76.8981, 0.3207, 0.3563)$

Have a look what the booklet for
Yxy(76.8981, 0.3207, 0.3563)
contains.

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Color

Yxy(76.8237, 0.3211, 0.3563)

Conversions

Conversions Part 1

Format	Color
Hex	DCE7CE
RGB	220, 231, 206
RGB Percent	86%, 91%, 81%
CMY	0.1372, 0.0941, 0.1922
CMYK	0.05, 0.00, 0.11, 0.09
HSL	86°, 34%, 86%
HSV	86°, 11%, 91%
XYZ	69.2340, 76.8237, 69.5575
YIQ	224.8610, 1.4690, -10.1070

Conversions

Conversions Part 2

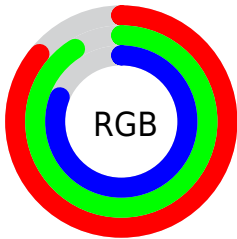
Format	Color
R_{YB}	206, 231, 217
Decimal	14477262
CIE _{Lab}	90.24, -8.05, 10.92
CIE _{LCh}	90, 13.571, 126.396
Y _{xy}	76.8237, 0.3211, 0.3563
Android (android.graphics.Color)	4292667342 (0xFFDCE7CE)
YUV	224.8610, -9.2985, -4.2631
Hunter-Lab	87.6491, -12.3888, 14.3024

Details

The Yxy color **76.8237, 0.3211, 0.3563** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.6476, 0.3036, 0.3015**, and the grayscale version is **75.2603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.9263, 0.3228, 0.3618** is the 20% darker color. If you saturate the color by 10%, you get **74.2514, 0.3288, 0.3835**, and if you desaturate by 10%, it is **79.6636, 0.3134, 0.3310**.

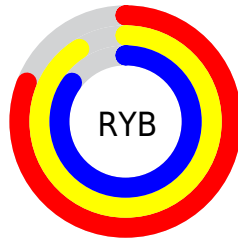
Distribution



Red (86%)

Green (91%)

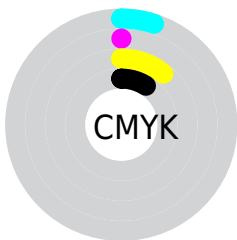
Blue (81%)



Red (81%)

Yellow (91%)

Blue (85%)

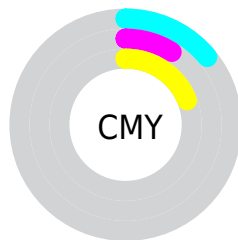


Cyan (5%)

Magenta (0%)

Yellow (11%)

Black (9%)



Cyan (14%)

Magenta (9%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.8237, 0.3211, 0.3563 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 76.8237, 0.3211, 0.3563 by changing the saturation by 10% instead.

■ 76.8237, 0.3211,
0.3563

■ 76.8237, 0.3211,
0.3563

484.1627, 0.3173,
0.3436

■ 57.1082, 0.3219,
0.3592

128.8906, 0.3198,
0.3519

■ 41.0921, 0.3229,
0.3628

162.0108, 0.3193,
0.3502

■ 28.3911, 0.3242,
0.3674

200.3679, 0.3189,
0.3487

■ 18.6207, 0.3258,
0.3735

244.3465, 0.3185,
0.3474

■ 11.3965, 0.3279,
0.3817

294.3309, 0.3182,
0.3463

■ 6.3342, 0.3307,
0.3938

350.7054, 0.3179,

■ 3.0493, 0.3347,

0.3453

0.4128

413.8546, 0.3176,
0.3444

■ 1.1575, 0.3513,
0.4612

■ 0.0266, 0.0000,
1.0000

■ 76.8237, 0.3211,
0.3563

■ 76.8237, 0.3211,
0.3563

■ 74.2514, 0.3288,
0.3835

■ 79.6636, 0.3134,
0.3310

■ 71.9279, 0.3361,
0.4121

■ 82.7694, 0.3058,
0.3078

■ 69.8469, 0.3426,
0.4414

■ 84.7766, 0.3108,
0.3056

■ 67.9985, 0.3479,
0.4704

■ 85.6328, 0.3138,
0.3058

■ 66.3716, 0.3515,
0.4977

■ 64.9542, 0.3530,
0.5218

■ 63.7324, 0.3521,
0.5415

■ 62.6904, 0.3489,
0.5558

■ 61.8698, 0.3444,
0.5648

Harmonies

Analogous

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



76.8237, 0.3353, 0.3563



76.8237, 0.3211, 0.3563



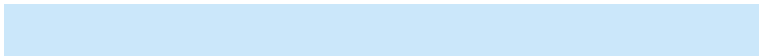
76.8237, 0.3049, 0.3484

Triad

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



76.8237, 0.3211, 0.3563



76.8237, 0.2828, 0.3084



76.8237, 0.3346, 0.3227

Complementary

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



76.8237, 0.3211, 0.3563



64.6476, 0.3036, 0.3015

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.



76.8237, 0.3200, 0.3107



76.8237, 0.3211, 0.3563



76.8237, 0.2902, 0.3024

Square

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



76.8237, 0.3211, 0.3563



76.8237, 0.2831, 0.3202



76.8237, 0.3038, 0.3033



76.8237, 0.3433, 0.3365

Rectangle

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



76.8237, 0.3211, 0.3563



76.8237, 0.2952, 0.3399



76.8237, 0.3038, 0.3033



76.8237, 0.3302, 0.3183

Sweetspot

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



76.8270, 0.3211, 0.3563



98.8859, 0.3150, 0.3364



70.9785, 0.3306, 0.3408



21.1030, 0.3157, 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.



76.8270, 0.3211, 0.3563



95.3906, 0.3228, 0.3622



74.9669, 0.3125, 0.3570



16.4860, 0.3200, 0.3527



34.7593, 0.3455, 0.5639



2.6234, 0.3558, 0.5557

Inverse Universe

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



64.6476, 0.3036, 0.3015



77.2837, 0.3015, 0.2955



66.6151, 0.3127, 0.3023



14.1950, 0.3049, 0.3052



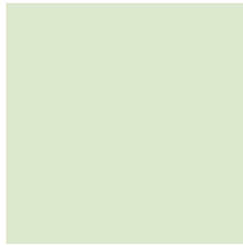
4.8681, 0.1912, 0.0827



0.4139, 0.2076, 0.0917

Previews

White Background



This preview shows how the Yxy color 76.8237, 0.3211, 0.3563 looks on a white background.

Color Contrast Check

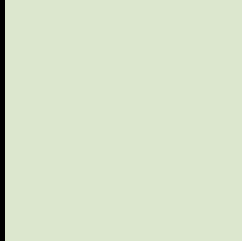
Large Text (above 18pt) WCAG AA × Fail

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 76.8237, 0.3211, 0.3563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

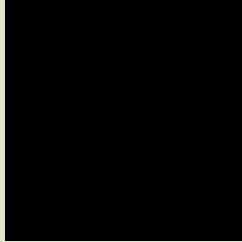
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

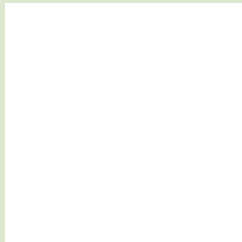
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.8237, 0.3211, 0.3563

Background



This preview shows how black text looks on a background with the Yxy color 76.8237, 0.3211, 0.3563.

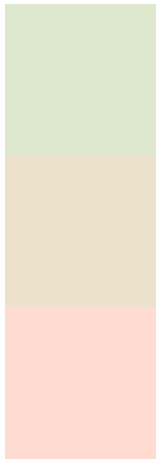


This preview shows how white text looks on a background with the Yxy color 76.8237, 0.3211, 0.3563.

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

76.8237, 0.3211, 0.3563

Protanopia

76.5374, 0.3351, 0.3534

Deuteranopia

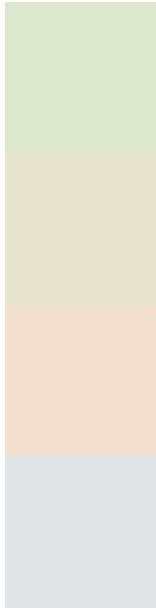
76.5265, 0.3461, 0.3392



Tritanopia

77.0325, 0.3020, 0.3112

Trichromacy



Original Color

76.8237, 0.3211, 0.3563

Protanomaly

76.6694, 0.3298, 0.3548

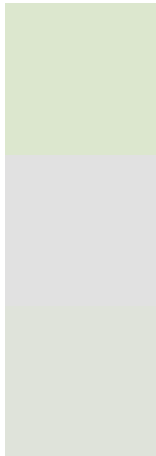
Deuteranomaly

76.2067, 0.3365, 0.3447

Tritanomaly

77.0473, 0.3087, 0.3269

Monochromacy



Original Color

76.8237, 0.3211, 0.3563

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

75.6881, 0.3157, 0.3387

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.8237, 0.3211, 0.3563 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(220, 231, 206)` looks like.

```
.text, #text, p{  
    color:rgb(220, 231, 206)  
}
```

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(220, 231, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 231, 206) }
```

Border

The CSS property to change the border of an element to Yxy 76.8237, 0.3211, 0.3563 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(220, 231, 206) }
```

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

```
.border{ border-color:rgb(220, 231, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 231, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 231, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 231, 206);  
box-shadow:4px 4px 4px 4px rgb(220, 231,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 76.8237, 0.3211, 0.3563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 231, 206) }
```

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

```
.background{ background-color: rgb(220,  
231, 206) }
```

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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