

Converting Colors

$Yxy(76.1697, 0.3052, 0.3305)$

Have a look what the booklet for
Yxy(76.1697, 0.3052, 0.3305)
contains.

Yxy(76.1836, 0.3051, 0.3311)	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(76.1836, 0.3051, 0.3311)

Conversions

Conversions Part 1

Format	Color
Hex	D8E5E3
RGB	216, 229, 227
RGB Percent	85%, 90%, 89%
CMY	0.1531, 0.1019, 0.1096
CMYK	0.06, 0.00, 0.01, 0.10
HSL	171°, 20%, 87%
HSV	171°, 6%, 90%
XYZ	70.2012, 76.1836, 83.7076
YIQ	224.8850, -7.1060, -3.3780

Conversions

Conversions Part 2

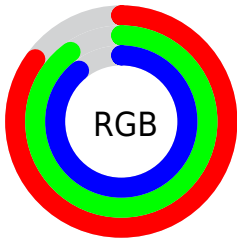
Format	Color
R _{YB}	216, 223, 229
Decimal	14214627
CIE Lab	89.94, -4.69, -0.55
CIE LCh	90, 4.724, 186.731
Yxy	76.1836, 0.3051, 0.3311
Android (android.graphics.Color)	4292404707 (0xFFD8E5E3)
YUV	224.8850, 1.0427, -7.7921
Hunter-Lab	87.2832, -9.1795, 4.2371

Details

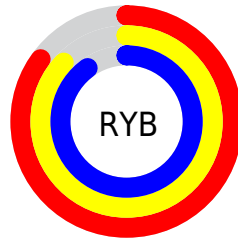
The Yxy color **76.1836, 0.3051, 0.3311** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.8153, 0.3209, 0.3269**, and the grayscale version is **75.2048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.8277, 0.3030, 0.3318** is the 20% darker color. If you saturate the color by 10%, you get **72.7501, 0.2922, 0.3351**, and if you desaturate by 10%, it is **80.1135, 0.3186, 0.3275**.

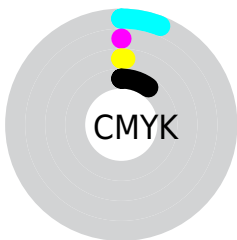
Distribution



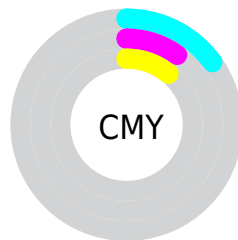
- Red (85%)
- Green (90%)
- Blue (89%)



- Red (85%)
- Yellow (87%)
- Blue (90%)



- Cyan (6%)
- Magenta (0%)
- Yellow (1%)
- Black (10%)



- Cyan (15%)
- Magenta (10%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.1836, 0.3051, 0.3311 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 76.1836, 0.3051, 0.3311 by changing the saturation by 10% instead.

■ 76.1836, 0.3051,
0.3311

■ 76.1836, 0.3051,
0.3311

481.9760, 0.3086,
0.3302

■ 56.5831, 0.3043,
0.3313

127.9864, 0.3063,
0.3308

■ 40.6706, 0.3033,
0.3316

160.9575, 0.3068,
0.3306

■ 28.0618, 0.3021,
0.3319

199.1542, 0.3072,
0.3305

■ 18.3722, 0.3005,
0.3323

242.9609, 0.3075,
0.3304

■ 11.2176, 0.2983,
0.3329

292.7620, 0.3079,
0.3304

■ 6.2134, 0.2952,
0.3337

348.9420, 0.3081,

■ 2.9753, 0.2904,

0.3303

411.8852, 0.3084,
0.3302

0.3350

1.1188, 0.2818,
0.3372

0.0000, 0.0000,
0.0000

76.1836, 0.3051,
0.3311

76.1836, 0.3051,
0.3311

72.7501, 0.2922,
0.3351

80.1135, 0.3186,
0.3275

69.7832, 0.2800,
0.3394

83.2416, 0.3275,
0.3242

67.2648, 0.2690,
0.3441

83.4421, 0.3253,
0.3208

65.1719, 0.2593,
0.3490

83.6465, 0.3230,
0.3174

■ 63.4792, 0.2513,
0.3542

■ 83.8548, 0.3207,
0.3141

■ 62.1591, 0.2452,
0.3595

■ 84.0670, 0.3185,
0.3107

■ 61.1801, 0.2409,
0.3649

■ 84.2832, 0.3163,
0.3074

■ 60.5057, 0.2387,
0.3703

■ 84.5033, 0.3141,
0.3042

■ 60.0908, 0.2382,
0.3756

■ 84.5239, 0.3139,
0.3039

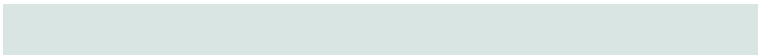
Harmonies

Analogous

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



76.1836, 0.3100, 0.3356



76.1836, 0.3051, 0.3311



76.1836, 0.3022, 0.3260

Triad

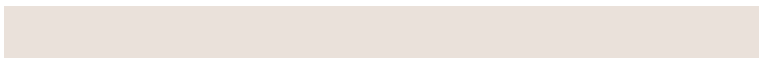
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.1836, 0.3051, 0.3311



76.1836, 0.3097, 0.3199



76.1836, 0.3234, 0.3361

Complementary

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



76.1836, 0.3051, 0.3311



70.8153, 0.3209, 0.3269

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.



76.1836, 0.3233, 0.3319



76.1836, 0.3051, 0.3311



76.1836, 0.3154, 0.3225

Square

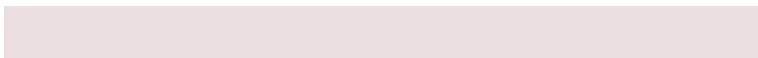
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.1836, 0.3051, 0.3311



76.1836, 0.3049, 0.3196



76.1836, 0.3204, 0.3269



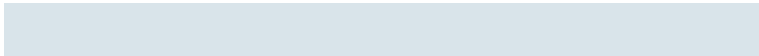
76.1836, 0.3206, 0.3385

Rectangle

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



76.1836, 0.3051, 0.3311



76.1836, 0.3019, 0.3231



76.1836, 0.3204, 0.3269



76.1836, 0.3237, 0.3348

Sweetspot

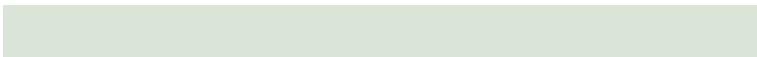
The Sweet Spot groups the original color and five complimentary colors.



76.1868, 0.3051, 0.3311



98.9961, 0.3100, 0.3297



75.9279, 0.3135, 0.3432



21.1997, 0.3101, 0.3297



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.



76.1868, 0.3051, 0.3311



96.5981, 0.3033, 0.3316



73.9208, 0.3039, 0.3243



16.4429, 0.3026, 0.3318



34.2931, 0.2381, 0.3771



2.5443, 0.2359, 0.3693

Inverse Universe

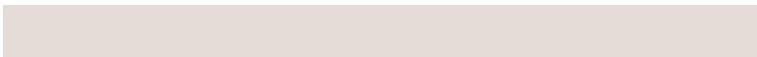
The Inverse Universe completely reimagines the original color for something new.



70.8153, 0.3209, 0.3269



88.1972, 0.3230, 0.3264



72.9691, 0.3219, 0.3337



14.9082, 0.3238, 0.3262



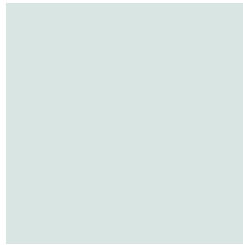
9.6030, 0.6187, 0.3182



0.7207, 0.5830, 0.2985

Previews

White Background



This preview shows how the Yxy color 76.1836, 0.3051, 0.3311 looks on a white background.

Color Contrast Check

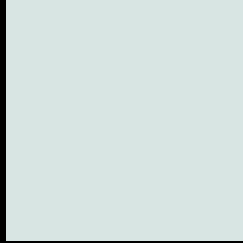
Large Text (above 18pt) WCAG AA × Fail

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 76.1836, 0.3051, 0.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

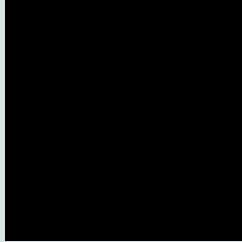
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

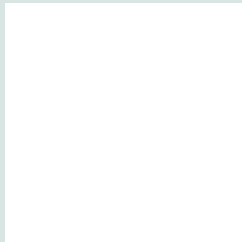
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.1836, 0.3051, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 76.1836, 0.3051, 0.3311.

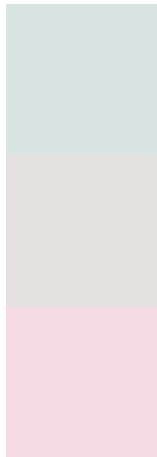


This preview shows how white text looks on a background with the Yxy color 76.1836, 0.3051, 0.3311.

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

76.1836, 0.3051, 0.3311

Protanopia

76.1097, 0.3162, 0.3290

Deuteranopia

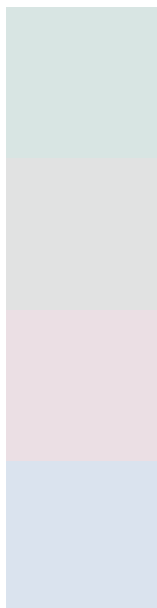
75.9130, 0.3254, 0.3188



Tritanopia

75.9844, 0.2967, 0.3100

Trichromacy



Original Color

76.1836, 0.3051, 0.3311

Protanomaly

75.8913, 0.3120, 0.3290

Deuteranomaly

76.0390, 0.3179, 0.3238

Tritanomaly

76.0166, 0.2997, 0.3173

Monochromacy



Original Color

76.1836, 0.3051, 0.3311

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

75.4133, 0.3099, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.1836, 0.3051, 0.3311 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, 229, 227)` looks like.

```
.text, #text, p{  
    color:rgb(216, 229, 227)  
}
```

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, 229, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 229, 227) }
```

Border

The CSS property to change the border of an element to Yxy 76.1836, 0.3051, 0.3311 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, 229, 227) }
```

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

```
.border{ border-color:rgb(216, 229, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 229, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 229, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 229, 227);  
box-shadow:4px 4px 4px 4px rgb(216, 229,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 76.1836, 0.3051, 0.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 229, 227) }
```

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

```
.background{ background-color: rgb(216,  
229, 227) }
```

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