

Converting Colors

$Yxy(78.0156, 0.3074, 0.3407)$

Have a look what the booklet for
Yxy(78.0156, 0.3074, 0.3407)
contains.

Yxy(77.9988, 0.3075, 0.3409)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.9988, 0.3075, 0.3409)

Conversions

Conversions Part 1

Format	Color
Hex	D7E9DE
RGB	215, 233, 222
RGB Percent	84%, 91%, 87%
CMY	0.1567, 0.0863, 0.1294
CMYK	0.08, 0.00, 0.05, 0.09
HSL	143°, 29%, 88%
HSV	143°, 8%, 91%
XYZ	70.3568, 77.9988, 80.4470
YIQ	226.3640, -7.1970, -7.2370

Conversions

Conversions Part 2

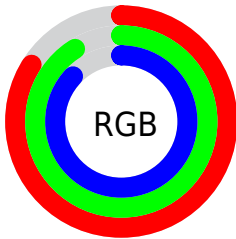
Format	Color
R _{YB}	215, 228, 233
Decimal	14150110
CIE Lab	90.78, -7.96, 3.30
CIE LCh	91, 8.612, 157.497
Yxy	77.9988, 0.3075, 0.3409
Android (android.graphics.Color)	4292340190 (0xFFD7E9DE)
YUV	226.3640, -2.1515, -9.9662
Hunter-Lab	88.3169, -12.3544, 7.8152

Details

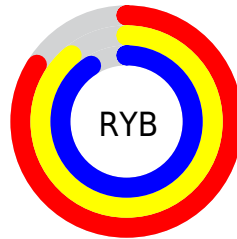
The Yxy color **77.9988, 0.3075, 0.3409** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.4411, 0.3183, 0.3174**, and the grayscale version is **76.3567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.7079, 0.3060, 0.3431** is the 20% darker color. If you saturate the color by 10%, you get **73.9877, 0.3008, 0.3581**, and if you desaturate by 10%, it is **82.5838, 0.3143, 0.3257**.

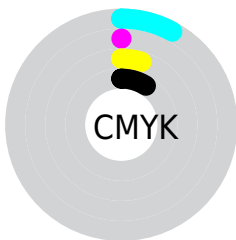
Distribution



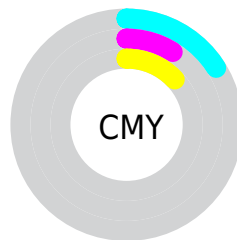
- Red (84%)
- Green (91%)
- Blue (87%)



- Red (84%)
- Yellow (89%)
- Blue (91%)



- Cyan (8%)
- Magenta (0%)
- Yellow (5%)
- Black (9%)



- Cyan (16%)
- Magenta (9%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.9988, 0.3075, 0.3409 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 77.9988, 0.3075, 0.3409 by changing the saturation by 10% instead.

■ 77.9988, 0.3075,
0.3409

■ 77.9988, 0.3075,
0.3409

488.1627, 0.3099,
0.3354

■ 58.0730, 0.3069,
0.3422

130.5484, 0.3083,
0.3390

■ 41.8673, 0.3063,
0.3437

163.9410, 0.3087,
0.3383

■ 28.9974, 0.3054,
0.3457

202.5914, 0.3089,
0.3376

■ 19.0789, 0.3043,
0.3482

246.8838, 0.3092,
0.3371

■ 11.7273, 0.3027,
0.3517

297.2028, 0.3094,
0.3366

■ 6.5583, 0.3005,
0.3568

353.9327, 0.3096,

■ 3.1874, 0.2970,

0.3361

0.3647

417.4579, 0.3098,
0.3358

■ 1.2303, 0.2907,
0.3789

■ 0.0863, 0.0000,
1.0000

■ 77.9988, 0.3075,
0.3409

■ 77.9988, 0.3075,
0.3409

■ 73.9877, 0.3008,
0.3581

■ 82.5838, 0.3143,
0.3257

■ 70.5178, 0.2944,
0.3771

■ 86.4718, 0.3165,
0.3120

■ 67.5681, 0.2886,
0.3981

■ 86.7545, 0.3137,
0.3078

■ 65.1124, 0.2837,
0.4206

■ 63.1223, 0.2800,
0.4442

■ 61.5662, 0.2779,
0.4684

■ 60.4085, 0.2775,
0.4921

■ 59.6074, 0.2790,
0.5145

■ 59.1071, 0.2823,
0.5348

Harmonies

Analogous

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



77.9988, 0.3177, 0.3460



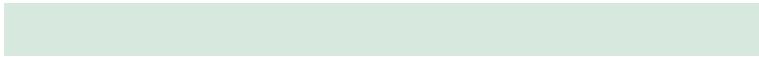
77.9988, 0.3075, 0.3409



77.9988, 0.2988, 0.3325

Triad

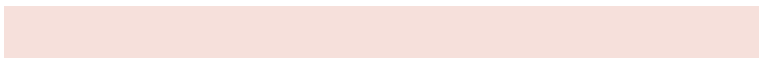
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.9988, 0.3075, 0.3409



77.9988, 0.2987, 0.3120



77.9988, 0.3320, 0.3342

Complementary

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



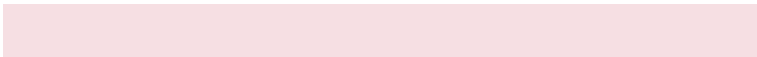
77.9988, 0.3075, 0.3409



71.4411, 0.3183, 0.3174

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.



77.9988, 0.3268, 0.3254



77.9988, 0.3075, 0.3409



77.9988, 0.3075, 0.3127

Square

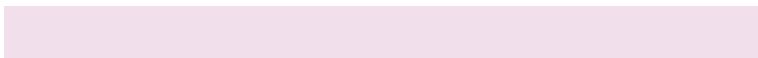
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.9988, 0.3075, 0.3409



77.9988, 0.2938, 0.3158



77.9988, 0.3178, 0.3176



77.9988, 0.3320, 0.3419

Rectangle

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



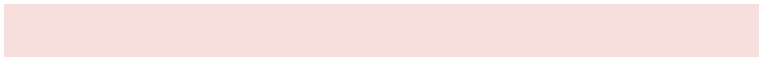
77.9988, 0.3075, 0.3409



77.9988, 0.2949, 0.3263



77.9988, 0.3178, 0.3176



77.9988, 0.3308, 0.3313

Sweetspot

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



78.0021, 0.3075, 0.3409



98.8458, 0.3114, 0.3320



79.3704, 0.3194, 0.3481



21.1692, 0.3114, 0.3318



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.



78.0021, 0.3075, 0.3409



95.0309, 0.3066, 0.3431



78.4925, 0.3021, 0.3312



16.9587, 0.3063, 0.3438



33.5110, 0.2823, 0.5362



2.6498, 0.2745, 0.5083

Inverse Universe

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



71.4411, 0.3183, 0.3174



85.6626, 0.3194, 0.3153



70.9645, 0.3245, 0.3268



15.2093, 0.3197, 0.3147



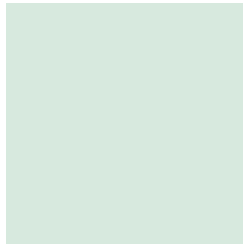
10.9774, 0.4485, 0.2244



0.8807, 0.4260, 0.2121

Previews

White Background



This preview shows how the Yxy color 77.9988, 0.3075, 0.3409 looks on a white background.

Color Contrast Check

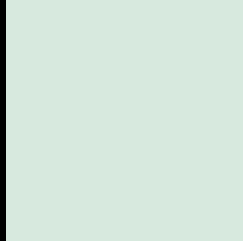
Large Text (above 18pt) WCAG AA × Fail

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 77.9988, 0.3075, 0.3409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

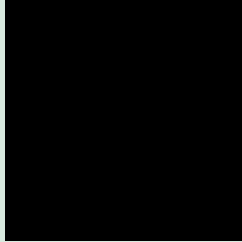
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

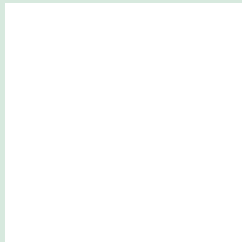
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.9988, 0.3075, 0.3409

Background



This preview shows how black text looks on a background with the Yxy color 77.9988, 0.3075, 0.3409.

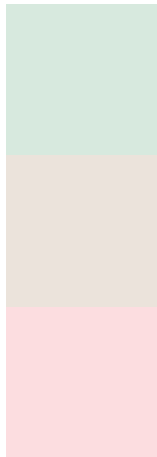


This preview shows how white text looks on a background with the Yxy color 77.9988, 0.3075, 0.3409.

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

77.9988, 0.3075, 0.3409

Protanopia

77.7148, 0.3235, 0.3374

Deuteranopia

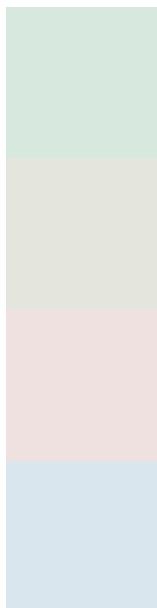
77.7902, 0.3330, 0.3260



Tritanopia

77.8141, 0.2950, 0.3101

Trichromacy



Original Color

77.9988, 0.3075, 0.3409

Protanomaly

77.6999, 0.3178, 0.3386

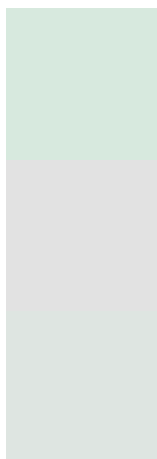
Deuteranomaly

77.5289, 0.3239, 0.3311

Tritanomaly

77.6721, 0.2997, 0.3205

Monochromacy



Original Color

77.9988, 0.3075, 0.3409

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

77.0045, 0.3105, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.9988, 0.3075, 0.3409 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(215, 233, 222)` looks like.

```
.text, #text, p{  
    color:rgb(215, 233, 222)  
}
```

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(215, 233, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 233, 222) }
```

Border

The CSS property to change the border of an element to Yxy 77.9988, 0.3075, 0.3409 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(215, 233, 222) }
```

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

```
.border{ border-color:rgb(215, 233, 222) }
```

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

Here you see how a box with a 4 pixel rgb(215, 233, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 233, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 233, 222);  
box-shadow:4px 4px 4px 4px rgb(215, 233,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 77.9988, 0.3075, 0.3409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 233, 222) }
```

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

```
.background{ background-color: rgb(215,  
233, 222) }
```

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