

Converting Colors

$Yxy(77.9015, 0.3049, 0.3402)$

Have a look what the booklet for
Yxy(77.9015, 0.3049, 0.3402)
contains.

Yxy(77.6026, 0.3049, 0.3399)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.6026, 0.3049, 0.3399)

Conversions

Conversions Part 1

Format	Color
Hex	D4E9DF
RGB	212, 233, 223
RGB Percent	83%, 91%, 87%
CMY	0.1685, 0.0863, 0.1256
CMYK	0.09, 0.00, 0.04, 0.09
HSL	151°, 32%, 87%
HSV	151°, 9%, 91%
XYZ	69.6117, 77.6026, 81.0957
YIQ	225.5810, -9.3060, -7.5620

Conversions

Conversions Part 2

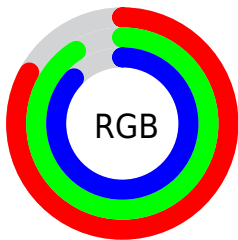
Format	Color
R _Y B	212, 226, 233
Decimal	13953503
CIE Lab	90.60, -8.78, 2.50
CIE LCh	91, 9.127, 164.108
Yxy	77.6026, 0.3049, 0.3399
Android (android.graphics.Color)	4292143583 (0xFFD4E9DF)
YUV	225.5810, -1.2724, -11.9105
Hunter-Lab	88.0923, -13.1085, 7.0837

Details

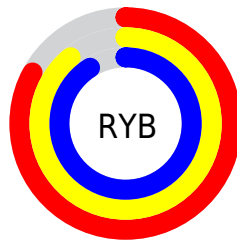
The Yxy color **77.6026, 0.3049, 0.3399** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.7036, 0.3213, 0.3183**, and the grayscale version is **75.7531, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.4395, 0.3026, 0.3418** is the 20% darker color. If you saturate the color by 10%, you get **73.8069, 0.2964, 0.3534**, and if you desaturate by 10%, it is **81.9442, 0.3136, 0.3279**.

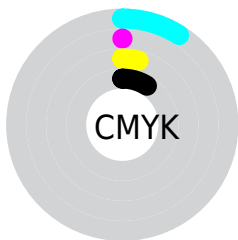
Distribution



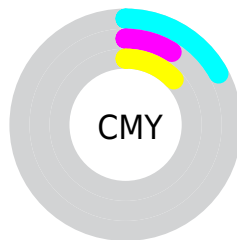
- Red (83%)
- Green (91%)
- Blue (87%)



- Red (83%)
- Yellow (89%)
- Blue (91%)



- Cyan (9%)
- Magenta (0%)
- Yellow (4%)
- Black (9%)



- Cyan (17%)
- Magenta (9%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.6026, 0.3049, 0.3399 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 77.6026, 0.3049, 0.3399 by changing the saturation by 10% instead.

■ 77.6026, 0.3049,
0.3399

■ 77.6026, 0.3049,
0.3399

486.8162, 0.3085,
0.3349

■ 57.7476, 0.3041,
0.3410

129.9898, 0.3061,
0.3382

■ 41.6058, 0.3031,
0.3425

163.2907, 0.3066,
0.3375

■ 28.7927, 0.3018,
0.3443

201.8424, 0.3071,
0.3369

■ 18.9241, 0.3001,
0.3466

246.0293, 0.3074,
0.3364

■ 11.6154, 0.2979,
0.3498

296.2357, 0.3077,
0.3359

■ 6.4824, 0.2946,
0.3544

352.8460, 0.3080,

■ 3.1406, 0.2895,

0.3355

0.3617

416.2447, 0.3083,
0.3352

■ 1.2056, 0.2804,
0.3747

■ 0.0662, 0.0000,
1.0000

■ 77.6026, 0.3049,
0.3399

■ 77.6026, 0.3049,
0.3399

■ 73.8069, 0.2964,
0.3534

■ 81.9442, 0.3136,
0.3279

■ 70.5252, 0.2885,
0.3682

■ 86.1474, 0.3198,
0.3171

■ 67.7371, 0.2813,
0.3844

■ 86.7585, 0.3137,
0.3078

■ 65.4172, 0.2752,
0.4019

■ 63.5376, 0.2705,
0.4202

■ 62.0673, 0.2676,
0.4391

■ 60.9711, 0.2667,
0.4580

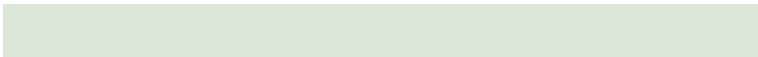
■ 60.2076, 0.2678,
0.4765

■ 59.7137, 0.2708,
0.4941

Harmonies

Analogous

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



77.6026, 0.3156, 0.3463



77.6026, 0.3049, 0.3399



77.6026, 0.2964, 0.3305

Triad

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



77.6026, 0.3049, 0.3399



77.6026, 0.2997, 0.3107



77.6026, 0.3337, 0.3365

Complementary

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



77.6026, 0.3049, 0.3399



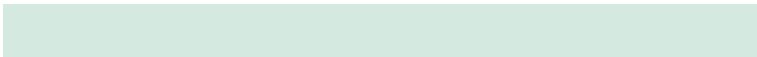
69.7036, 0.3213, 0.3183

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.



77.6026, 0.3293, 0.3272



77.6026, 0.3049, 0.3399



77.6026, 0.3095, 0.3125

Square

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



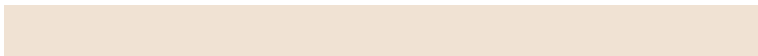
77.6026, 0.3049, 0.3399



77.6026, 0.2934, 0.3137



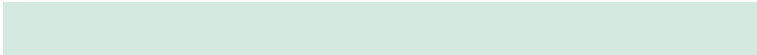
77.6026, 0.3204, 0.3185



77.6026, 0.3324, 0.3441

Rectangle

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



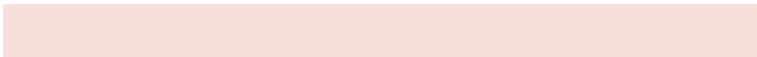
77.6026, 0.3049, 0.3399



77.6026, 0.2930, 0.3240



77.6026, 0.3204, 0.3185



77.6026, 0.3329, 0.3335

Sweetspot

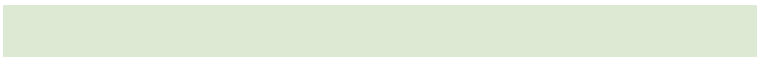
The Sweet Spot groups the original color and five complimentary colors.



77.6059, 0.3049, 0.3399



98.3443, 0.3101, 0.3325



78.5894, 0.3186, 0.3516



20.9572, 0.3094, 0.3335



0.0000, 0.0000, 0.0000



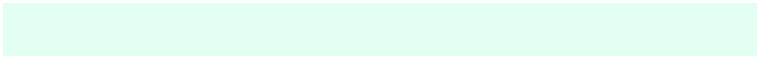
21.4041, 0.3127, 0.3290

Same Dimension

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



77.6059, 0.3049, 0.3399



94.2281, 0.3031, 0.3426



77.9656, 0.2988, 0.3286



16.9934, 0.3045, 0.3405



33.8834, 0.2703, 0.4932



2.6801, 0.2635, 0.4687

Inverse Universe

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



69.7036, 0.3213, 0.3183



82.4844, 0.3235, 0.3158



69.3560, 0.3284, 0.3294



15.1741, 0.3218, 0.3178



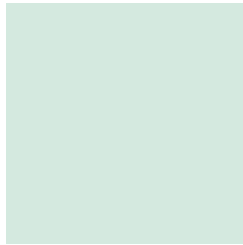
10.5122, 0.5047, 0.2554



0.8448, 0.4725, 0.2377

Previews

White Background



This preview shows how the Yxy color 77.6026, 0.3049, 0.3399 looks on a white background.

Color Contrast Check

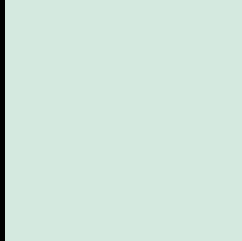
Large Text (above 18pt) WCAG AA × Fail

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 77.6026, 0.3049, 0.3399 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

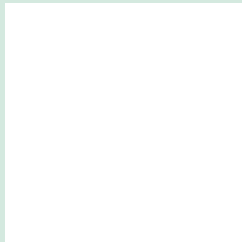
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.6026, 0.3049, 0.3399

Background



This preview shows how black text looks on a background with the Yxy color 77.6026, 0.3049, 0.3399.

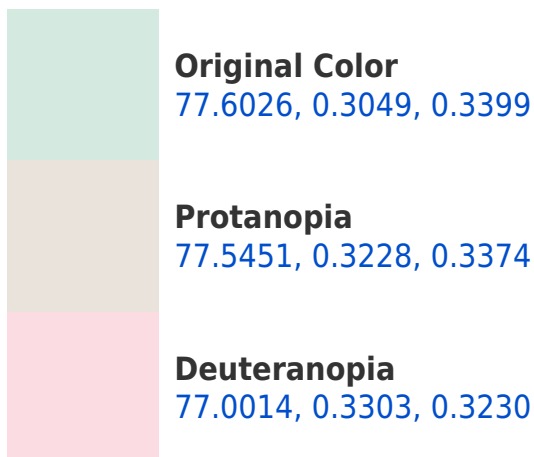


This preview shows how white text looks on a background with the Yxy color 77.6026, 0.3049, 0.3399.

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

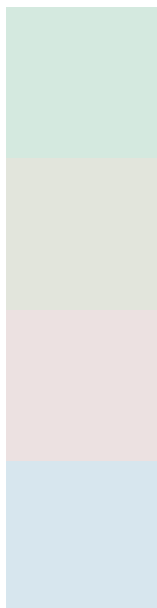




Tritanopia

77.3530, 0.2930, 0.3100

Trichromacy



Original Color

77.6026, 0.3049, 0.3399

Protanomaly

77.3747, 0.3164, 0.3386

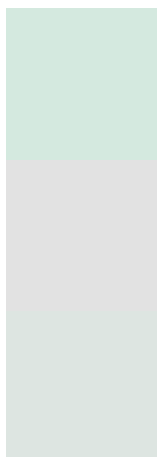
Deuteranomaly

77.1195, 0.3204, 0.3290

Tritanomaly

77.2137, 0.2978, 0.3204

Monochromacy



Original Color

77.6026, 0.3049, 0.3399

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.8470, 0.3098, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.6026, 0.3049, 0.3399 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(212, 233, 223)` looks like.

```
.text, #text, p{  
    color:rgb(212, 233, 223)  
}
```

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(212, 233, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 233, 223) }
```

Border

The CSS property to change the border of an element to Yxy 77.6026, 0.3049, 0.3399 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(212, 233, 223) }
```

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

```
.border{ border-color:rgb(212, 233, 223) }
```

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

Here you see how a box with a 4 pixel rgb(212, 233, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 233, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 233, 223);  
box-shadow:4px 4px 4px 4px rgb(212, 233,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 77.6026, 0.3049, 0.3399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 233, 223) }
```

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

```
.background{ background-color: rgb(212,  
233, 223) }
```

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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