

Converting Colors

Yxy(77.9841, 0.3088, 0.3433)

Have a look what the booklet for
Yxy(77.9841, 0.3088, 0.3433)
contains.

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Color

Yxy(77.8922, 0.3087, 0.3431)

Conversions

Conversions Part 1

Format	Color
Hex	D7E9DC
RGB	215, 233, 220
RGB Percent	84%, 91%, 86%
CMY	0.1568, 0.0863, 0.1373
CMYK	0.08, 0.00, 0.06, 0.09
HSL	137°, 29%, 88%
HSV	137°, 8%, 91%
XYZ	70.0825, 77.8922, 79.0500
YIQ	226.1360, -6.5550, -7.8590

Conversions

Conversions Part 2

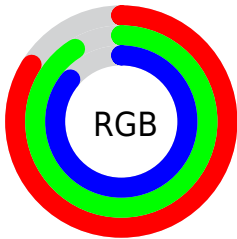
Format	Color
RYB	215, 229, 233
Decimal	14150108
CIELab	90.73, -8.34, 4.26
CIElCh	91, 9.363, 152.902
Yxy	77.8922, 0.3087, 0.3431
Android (android.graphics.Color)	4292340188 (0xFFD7E9DC)
YUV	226.1360, -3.0250, -9.7663
Hunter-Lab	88.2566, -12.7061, 8.6745

Details

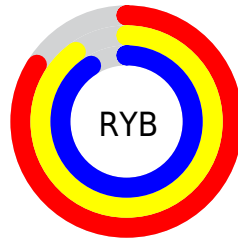
The Yxy color **77.8922, 0.3087, 0.3431** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.5308, 0.3170, 0.3153**, and the grayscale version is **76.1852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.6345, 0.3076, 0.3460** is the 20% darker color. If you saturate the color by 10%, you get **73.7679, 0.3035, 0.3635**, and if you desaturate by 10%, it is **82.6153, 0.3139, 0.3251**.

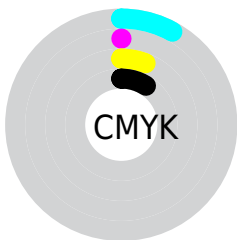
Distribution



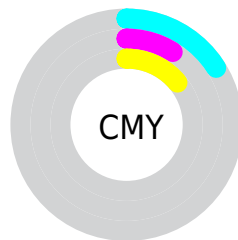
- Red (84%)
- Green (91%)
- Blue (86%)



- Red (84%)
- Yellow (90%)
- Blue (91%)



- Cyan (8%)
- Magenta (0%)
- Yellow (6%)
- Black (9%)



- Cyan (16%)
- Magenta (9%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.8922, 0.3087, 0.3431 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 77.8922, 0.3087, 0.3431 by changing the saturation by 10% instead.

■ 77.8922, 0.3087,
0.3431

■ 77.8922, 0.3087,
0.3431

487.8006, 0.3106,
0.3366

■ 57.9854, 0.3083,
0.3446

130.3981, 0.3094,
0.3408

■ 41.7969, 0.3077,
0.3464

163.7661, 0.3096,
0.3400

■ 28.9423, 0.3071,
0.3488

202.3899, 0.3098,
0.3392

■ 19.0372, 0.3062,
0.3518

246.6540, 0.3100,
0.3385

■ 11.6972, 0.3049,
0.3560

296.9427, 0.3102,
0.3380

■ 6.5378, 0.3031,
0.3620

353.6405, 0.3103,

■ 3.1748, 0.3003,

0.3375

0.3715

417.1316, 0.3105,
0.3370

■ 1.2236, 0.2950,
0.3887

■ 0.0809, 0.0000,
1.0000

■ 77.8922, 0.3087,
0.3431

■ 77.8922, 0.3087,
0.3431

■ 73.7679, 0.3035,
0.3635

■ 82.6153, 0.3139,
0.3251

■ 70.2087, 0.2985,
0.3862

■ 86.6748, 0.3145,
0.3090

■ 67.1925, 0.2939,
0.4111

■ 86.7601, 0.3137,
0.3078

■ 64.6920, 0.2900,
0.4378

■ 62.6774, 0.2872,
0.4656

■ 61.1157, 0.2856,
0.4933

■ 59.9699, 0.2857,
0.5198

■ 59.1964, 0.2873,
0.5435

■ 58.7375, 0.2902,
0.5632

Harmonies

Analogous

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



77.8922, 0.3198, 0.3479



77.8922, 0.3087, 0.3431



77.8922, 0.2988, 0.3343

Triad

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



77.8922, 0.3087, 0.3431



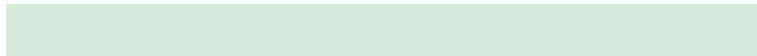
77.8922, 0.2964, 0.3109



77.8922, 0.3332, 0.3332

Complementary

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



77.8922, 0.3087, 0.3431



71.5308, 0.3170, 0.3153

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.



77.8922, 0.3267, 0.3236



77.8922, 0.3087, 0.3431



77.8922, 0.3054, 0.3109

Square

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



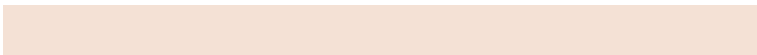
77.8922, 0.3087, 0.3431



77.8922, 0.2918, 0.3157



77.8922, 0.3165, 0.3155



77.8922, 0.3341, 0.3419

Rectangle

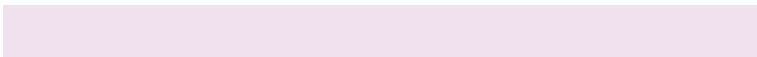
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



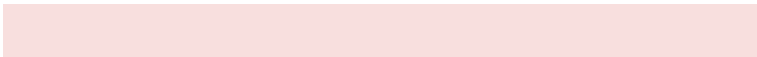
77.8922, 0.3087, 0.3431



77.8922, 0.2942, 0.3276



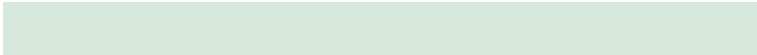
77.8922, 0.3165, 0.3155



77.8922, 0.3316, 0.3300

Sweetspot

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



77.8955, 0.3087, 0.3431



98.8104, 0.3117, 0.3325



79.7142, 0.3208, 0.3481



21.1620, 0.3117, 0.3324



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.



77.8955, 0.3087, 0.3431



94.8818, 0.3080, 0.3457



78.3744, 0.3033, 0.3335



16.9308, 0.3078, 0.3465



33.3004, 0.2902, 0.5646



2.6307, 0.2826, 0.5374

Inverse Universe

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



71.5308, 0.3170, 0.3153



85.8180, 0.3178, 0.3129



71.0541, 0.3230, 0.3246



15.2383, 0.3180, 0.3121



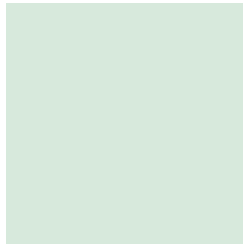
11.4636, 0.4061, 0.2011



0.9163, 0.3915, 0.1931

Previews

White Background



This preview shows how the Yxy color 77.8922, 0.3087, 0.3431 looks on a white background.

Color Contrast Check

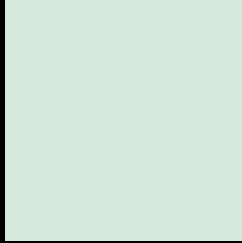
Large Text (above 18pt) WCAG AA × Fail

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 77.8922, 0.3087, 0.3431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

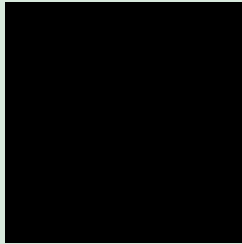
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

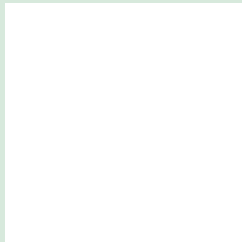
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.8922, 0.3087, 0.3431

Background



This preview shows how black text looks on a background with the Yxy color 77.8922, 0.3087, 0.3431.

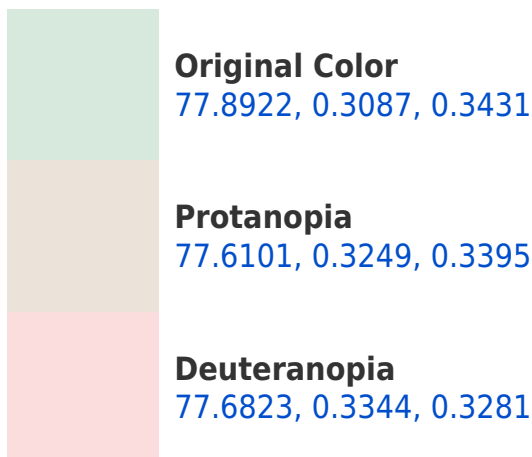


This preview shows how white text looks on a background with the Yxy color 77.8922, 0.3087, 0.3431.

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

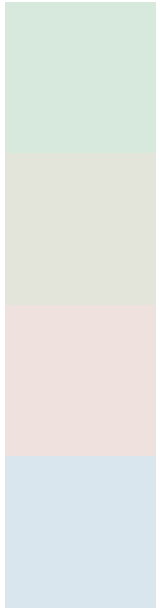




Tritanopia

77.8141, 0.2950, 0.3101

Trichromacy



Original Color

77.8922, 0.3087, 0.3431

Protanomaly

77.5946, 0.3191, 0.3407

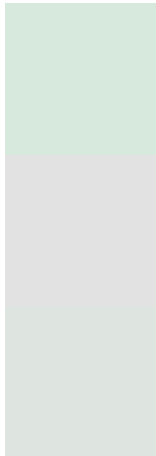
Deuteranomaly

77.4216, 0.3252, 0.3332

Tritanomaly

77.6135, 0.3003, 0.3215

Monochromacy



Original Color

77.8922, 0.3087, 0.3431

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.9500, 0.3111, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8922, 0.3087, 0.3431 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, 220)` looks like.

```
.text, #text, p{  
    color:rgb(215, 233, 220)  
}
```

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, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 233, 220) }
```

Border

The CSS property to change the border of an element to Yxy 77.8922, 0.3087, 0.3431 is called "border". The border property can be set on classes, ids or directly on the HTML element.

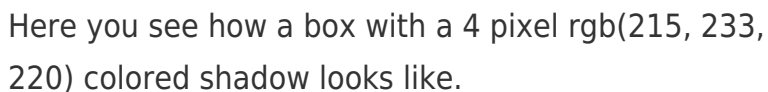
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(215, 233, 220) }
```

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

```
.border{ border-color:rgb(215, 233, 220) }
```

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, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 233, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 233, 220); box-shadow:4px 4px 4px 4px rgb(215, 233, 220) }
```


Background

The CSS property to change the background color of an element to Yxy 77.8922, 0.3087, 0.3431 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, 220) }
```

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

```
.background{ background-color: rgb(215,  
233, 220) }
```

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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