

Converting Colors

$Y_{xy}(77.8570, 0.2992, 0.3355)$

Have a look what the booklet for
Yxy(77.8570, 0.2992, 0.3355)
contains.

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Color

Yxy(77.8570, 0.2992, 0.3355)

Conversions

Conversions Part 1

Format	Color
Hex	D0EAE4
RGB	208, 234, 228
RGB Percent	82%, 92%, 89%
CMY	0.1844, 0.0823, 0.1058
CMYK	0.11, 0.00, 0.03, 0.08
HSL	166°, 38%, 87%
HSV	166°, 11%, 92%
XYZ	69.4331, 77.8570, 84.7725
YIQ	225.5420, -13.5700, -7.3780

Conversions

Conversions Part 2

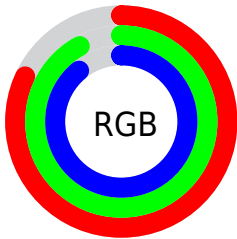
Format	Color
R _Y B	208, 223, 234
Decimal	13691620
CIE Lab	90.71, -9.67, 0.00
CIE LCh	91, 9.666, 179.998
Yxy	77.8570, 0.2992, 0.3355
Android (android.graphics.Color)	4291881700 (0xFFD0EAE4)
YUV	225.5420, 1.2118, -15.3843
Hunter-Lab	88.2366, -13.9530, 4.8033

Details

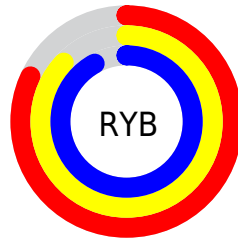
The Yxy color **77.8570, 0.2992, 0.3355** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.4457, 0.3282, 0.3226**, and the grayscale version is **75.7027, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.6302, 0.2955, 0.3361** is the 20% darker color. If you saturate the color by 10%, you get **74.4204, 0.2876, 0.3420**, and if you desaturate by 10%, it is **81.8099, 0.3113, 0.3296**.

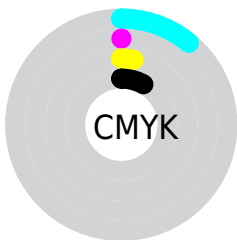
Distribution



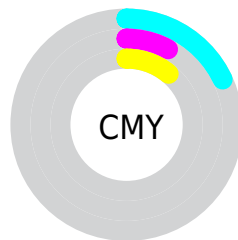
- Red (82%)
- Green (92%)
- Blue (89%)



- Red (82%)
- Yellow (87%)
- Blue (92%)



- Cyan (11%)
- Magenta (0%)
- Yellow (3%)
- Black (8%)



- Cyan (18%)
- Magenta (8%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.8570, 0.2992, 0.3355 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 77.8570, 0.2992, 0.3355 by changing the saturation by 10% instead.

■ 77.8570, 0.2992,
0.3355

■ 77.8570, 0.2992,
0.3355

487.6810, 0.3054,
0.3325

■ 57.9565, 0.2978,
0.3362

130.3485, 0.3013,
0.3345

■ 41.7737, 0.2961,
0.3370

163.7083, 0.3022,
0.3341

■ 28.9241, 0.2939,
0.3380

202.3234, 0.3029,
0.3337

■ 19.0234, 0.2911,
0.3394

246.5781, 0.3035,
0.3334

■ 11.6872, 0.2873,
0.3412

296.8568, 0.3041,
0.3332

■ 6.5311, 0.2819,
0.3438

353.5439, 0.3046,

■ 3.1706, 0.2736,

0.3329

0.3478

417.0239, 0.3050,
0.3327

■ 1.2214, 0.2591,
0.3547

■ 0.0791, 0.0000,
0.4788

■ 77.8570, 0.2992,
0.3355

■ 77.8570, 0.2992,
0.3355

■ 74.4204, 0.2876,
0.3420

■ 81.8099, 0.3113,
0.3296

■ 71.4684, 0.2769,
0.3490


■ 86.2898, 0.3238,
0.3243


■ 68.9807, 0.2674,
0.3565


■ 86.6561, 0.3205,
0.3191

■ 66.9318, 0.2593,
0.3645


■ 86.9890, 0.3170,
0.3139


 65.2937, 0.2529,
0.3728


 87.3316, 0.3137,
0.3088

 64.0352, 0.2484,
0.3814

 87.3327, 0.3137,
0.3088

 63.1202, 0.2459,
0.3900

 62.5060, 0.2453,
0.3986

 62.1506, 0.2461,
0.4061

Harmonies

Analogous

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



77.8570, 0.3097, 0.3443



77.8570, 0.2992, 0.3355



77.8570, 0.2924, 0.3251

Triad

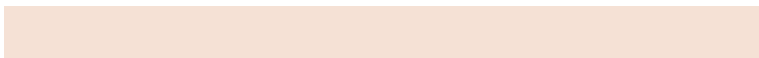
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.8570, 0.2992, 0.3355



77.8570, 0.3041, 0.3101



77.8570, 0.3350, 0.3416

Complementary

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



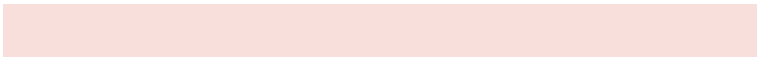
77.8570, 0.2992, 0.3355



67.4457, 0.3282, 0.3226

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.



77.8570, 0.3335, 0.3324



77.8570, 0.2992, 0.3355



77.8570, 0.3155, 0.3144

Square

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



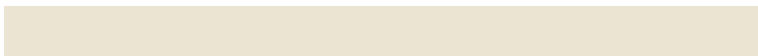
77.8570, 0.2992, 0.3355



77.8570, 0.2952, 0.3106



77.8570, 0.3263, 0.3225



77.8570, 0.3304, 0.3476

Rectangle

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



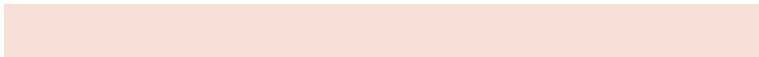
77.8570, 0.2992, 0.3355



77.8570, 0.2908, 0.3187



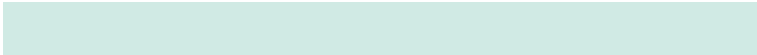
77.8570, 0.3263, 0.3225



77.8570, 0.3352, 0.3387

Sweetspot

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



77.8603, 0.2992, 0.3355



98.4648, 0.3090, 0.3307



77.7085, 0.3155, 0.3576



20.9898, 0.3080, 0.3312



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.



77.8603, 0.2992, 0.3355



93.7634, 0.2969, 0.3367



74.3222, 0.2955, 0.3214



17.0590, 0.3012, 0.3345



34.9413, 0.2458, 0.4047



2.7582, 0.2425, 0.3929

Inverse Universe

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



67.4457, 0.3282, 0.3226



79.1076, 0.3313, 0.3214



70.6048, 0.3317, 0.3365



15.1109, 0.3257, 0.3236



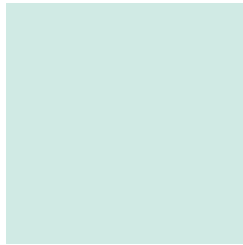
9.9951, 0.5986, 0.3071



0.7993, 0.5600, 0.2859

Previews

White Background



This preview shows how the Yxy color 77.8570, 0.2992, 0.3355 looks on a white background.

Color Contrast Check

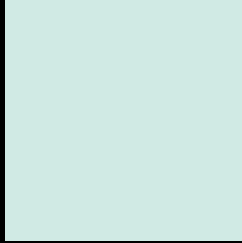
Large Text (above 18pt) WCAG AA × Fail

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 77.8570, 0.2992, 0.3355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

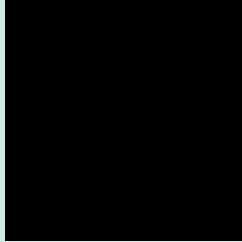
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

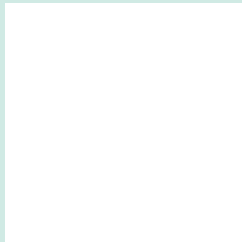
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.8570, 0.2992, 0.3355

Background



This preview shows how black text looks on a background with the Yxy color 77.8570, 0.2992, 0.3355.

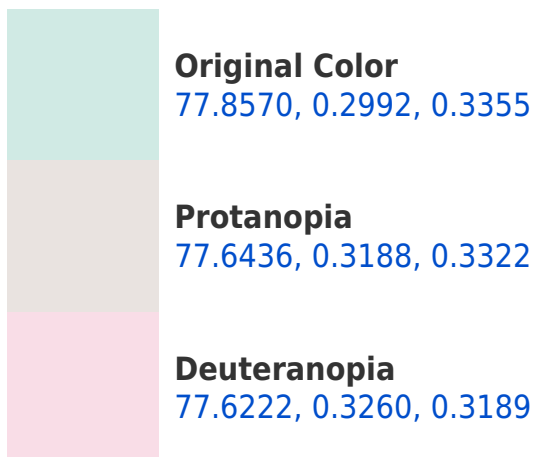


This preview shows how white text looks on a background with the Yxy color 77.8570, 0.2992, 0.3355.

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

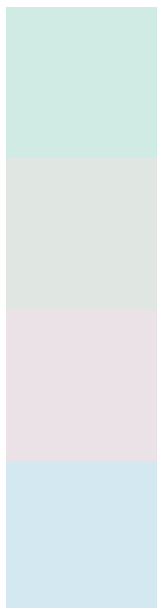




Tritanopia

77.9884, 0.2894, 0.3099

Trichromacy



Original Color

77.8570, 0.2992, 0.3355

Protanomaly

77.8772, 0.3118, 0.3343

Deuteranomaly

77.5983, 0.3157, 0.3248

Tritanomaly

77.9130, 0.2934, 0.3193

Monochromacy



Original Color

77.8570, 0.2992, 0.3355

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.6447, 0.3072, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8570, 0.2992, 0.3355 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(208, 234, 228)` looks like.

```
.text, #text, p{  
    color:rgb(208, 234, 228)  
}
```

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(208, 234, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 234, 228) }
```

Border

The CSS property to change the border of an element to Yxy 77.8570, 0.2992, 0.3355 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(208, 234, 228) }
```

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

```
.border{ border-color:rgb(208, 234, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 234, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 234, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 234, 228);  
box-shadow:4px 4px 4px 4px rgb(208, 234,  
228) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 77.8570, 0.2992, 0.3355$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 234, 228) }
```

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

```
.background{ background-color: rgb(208,  
234, 228) }
```

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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