

Converting Colors

$Yxy(77.2132, 0.2951, 0.3386)$

Have a look what the booklet for
Yxy(77.2132, 0.2951, 0.3386)
contains.

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Color

Yxy(77.1870, 0.2953, 0.3389)

Conversions

Conversions Part 1

Format	Color
Hex	C8EBE2
RGB	200, 235, 226
RGB Percent	78%, 92%, 89%
CMY	0.2157, 0.0784, 0.1137
CMYK	0.15, 0.00, 0.04, 0.08
HSL	165°, 47%, 85%
HSV	165°, 15%, 92%
XYZ	67.2568, 77.1870, 83.3137
YIQ	223.5090, -17.9710, -10.2190

Conversions

Conversions Part 2

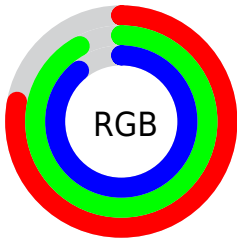
Format	Color
R _Y B	200, 220, 235
Decimal	13167586
CIE Lab	90.41, -13.10, 0.53
CIE LCh	90, 13.108, 177.671
Yxy	77.1870, 0.2953, 0.3389
Android (android.graphics.Color)	4291357666 (0xFFC8EBE2)
YUV	223.5090, 1.2281, -20.6174
Hunter-Lab	87.8561, -17.1006, 5.2748

Details

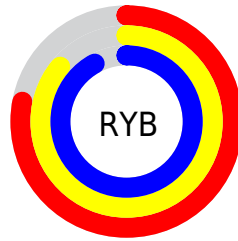
The Yxy color **77.1870, 0.2953, 0.3389** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.5760, 0.3336, 0.3193**, and the grayscale version is **74.1761, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.2915, 0.2913, 0.3405** is the 20% darker color. If you saturate the color by 10%, you get **73.8736, 0.2843, 0.3464**, and if you desaturate by 10%, it is **81.0158, 0.3069, 0.3321**.

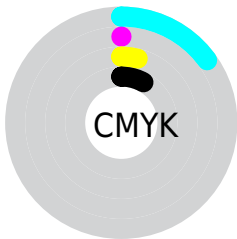
Distribution



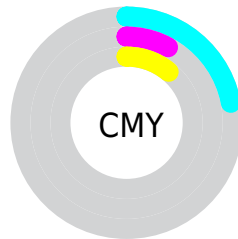
- Red (78%)
- Green (92%)
- Blue (89%)



- Red (78%)
- Yellow (86%)
- Blue (92%)



- Cyan (15%)
- Magenta (0%)
- Yellow (4%)
- Black (8%)



- Cyan (22%)
- Magenta (8%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.1870, 0.2953, 0.3389 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 77.1870, 0.2953, 0.3389 by changing the saturation by 10% instead.

■ 77.1870, 0.2953,
0.3389

■ 77.1870, 0.2953,
0.3389

485.4014, 0.3033,
0.3344

■ 57.4064, 0.2935,
0.3399

129.4034, 0.2981,
0.3373

■ 41.3316, 0.2913,
0.3412

162.6080, 0.2991,
0.3367

■ 28.5783, 0.2885,
0.3428

201.0560, 0.3001,
0.3362

■ 18.7620, 0.2848,
0.3449

245.1318, 0.3009,
0.3357

■ 11.4984, 0.2799,
0.3477

295.2199, 0.3016,
0.3353

■ 6.4032, 0.2729,
0.3517


351.7046, 0.3022,


■ 3.0917, 0.2620,


0.3350


0.3580


414.9703, 0.3028,
0.3347


 1.1798, 0.2427,
0.3692


 0.0451, 0.0000,
0.7914


 77.1870, 0.2953,
0.3389


 77.1870, 0.2953,
0.3389


 73.8736, 0.2843,
0.3464


 81.0158, 0.3069,
0.3321

 71.0433, 0.2743,
0.3545

 85.3717, 0.3189,
0.3259

 68.6746, 0.2655,
0.3631

 87.2178, 0.3204,
0.3201

 66.7410, 0.2583,
0.3723

 87.5908, 0.3166,
0.3143

■ 65.2130, 0.2528,
0.3818

■ 87.8987, 0.3136,
0.3097

■ 64.0573, 0.2492,
0.3914

■ 63.2354, 0.2477,
0.4011

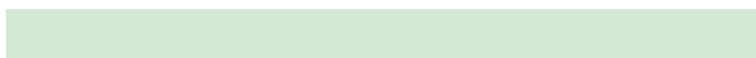
■ 62.7001, 0.2481,
0.4107

■ 62.4997, 0.2488,
0.4156

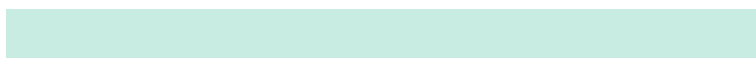
Harmonies

Analogous

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



77.1870, 0.3097, 0.3506



77.1870, 0.2953, 0.3389



77.1870, 0.2857, 0.3246

Triad

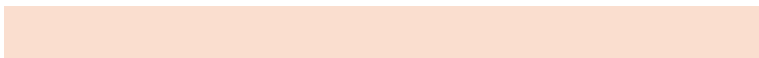
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.1870, 0.2953, 0.3389



77.1870, 0.2999, 0.3032



77.1870, 0.3432, 0.3451

Complementary

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



77.1870, 0.2953, 0.3389



63.5760, 0.3336, 0.3193

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.



77.1870, 0.3405, 0.3324



77.1870, 0.2953, 0.3389



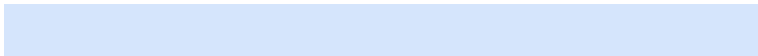
77.1870, 0.3152, 0.3087

Square

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



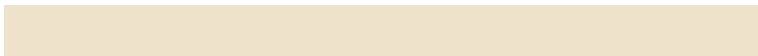
77.1870, 0.2953, 0.3389



77.1870, 0.2882, 0.3043



77.1870, 0.3302, 0.3192



77.1870, 0.3375, 0.3539

Rectangle

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



77.1870, 0.2953, 0.3389



77.1870, 0.2831, 0.3157



77.1870, 0.3302, 0.3192



77.1870, 0.3433, 0.3411

Sweetspot

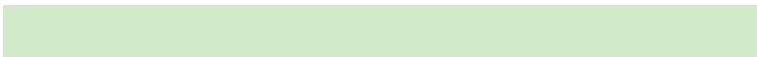
The Sweet Spot groups the original color and five complimentary colors.



77.1902, 0.2953, 0.3389



97.9489, 0.3079, 0.3315



77.1935, 0.3172, 0.3680



20.8850, 0.3070, 0.3320



0.0000, 0.0000, 0.0000



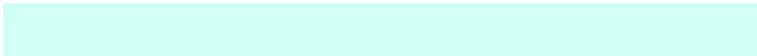
21.4041, 0.3127, 0.3290

Same Dimension

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



77.1902, 0.2953, 0.3389



91.5737, 0.2917, 0.3412



73.1271, 0.2898, 0.3199



17.0519, 0.3015, 0.3351



34.8046, 0.2484, 0.4141



2.7485, 0.2447, 0.4008

Inverse Universe

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



63.5760, 0.3336, 0.3193



72.1246, 0.3390, 0.3172



67.0278, 0.3392, 0.3379



15.1175, 0.3252, 0.3230



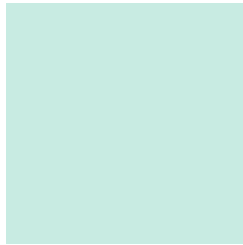
10.0311, 0.5905, 0.3027



0.8029, 0.5513, 0.2811

Previews

White Background



This preview shows how the Yxy color 77.1870, 0.2953, 0.3389 looks on a white background.

Color Contrast Check

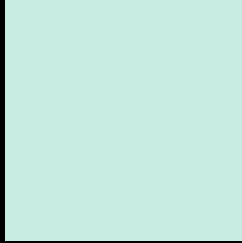
Large Text (above 18pt) WCAG AA × Fail

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 77.1870, 0.2953, 0.3389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

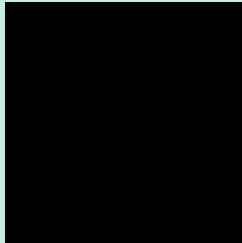
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

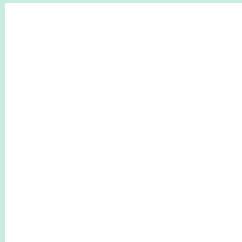
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.1870, 0.2953, 0.3389

Background



This preview shows how black text looks on a background with the Yxy color 77.1870, 0.2953, 0.3389.

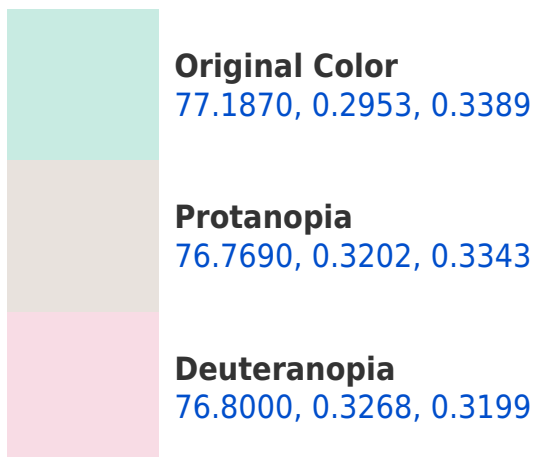


This preview shows how white text looks on a background with the Yxy color 77.1870, 0.2953, 0.3389.

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

76.8913, 0.2839, 0.3086

Trichromacy



Original Color

77.1870, 0.2953, 0.3389

Protanomaly

76.5820, 0.3104, 0.3355

Deuteranomaly

76.4408, 0.3150, 0.3259

Tritanomaly

76.7606, 0.2884, 0.3192

Monochromacy



Original Color

77.1870, 0.2953, 0.3389

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.3701, 0.3057, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.1870, 0.2953, 0.3389 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(200, 235, 226)` looks like.

```
.text, #text, p{  
    color:rgb(200, 235, 226)  
}
```

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(200, 235, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 235, 226) }
```

Border

The CSS property to change the border of an element to Yxy 77.1870, 0.2953, 0.3389 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(200, 235, 226) }
```

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

```
.border{ border-color:rgb(200, 235, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 235, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 235, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 235, 226);  
box-shadow:4px 4px 4px 4px rgb(200, 235,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 77.1870, 0.2953, 0.3389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 235, 226) }
```

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

```
.background{ background-color: rgb(200,  
235, 226) }
```

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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