

Converting Colors

Yxy(71.8416, 0.2901, 0.3244)

Have a look what the booklet for
Yxy(71.8416, 0.2901, 0.3244)
contains.

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Color

Yxy(71.8416, 0.2901, 0.3244)

Conversions

Conversions Part 1

Format	Color
Hex	C4E2E6
RGB	196, 226, 230
RGB Percent	77%, 89%, 90%
CMY	0.2314, 0.1137, 0.0979
CMYK	0.15, 0.02, 0.00, 0.10
HSL	187°, 41%, 84%
HSV	187°, 15%, 90%
XYZ	64.2455, 71.8416, 85.3728
YIQ	217.4860, -19.1640, -5.1160

Conversions

Conversions Part 2

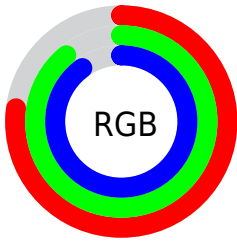
Format	Color
R _Y B	196, 212, 230
Decimal	12903142
CIE Lab	87.89, -9.01, -5.30
CIE LCh	88, 10.450, 210.470
Yxy	71.8416, 0.2901, 0.3244
Android (android.graphics.Color)	4291093222 (0xFFC4E2E6)
YUV	217.4860, 6.1694, -18.8432
Hunter-Lab	84.7594, -13.0305, -0.3875

Details

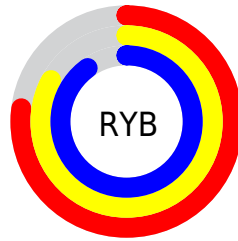
The Yxy color **71.8416, 0.2901, 0.3244** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.1337, 0.3396, 0.3336**, and the grayscale version is **69.7069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **37.9717, 0.2846, 0.3230** is the 20% darker color. If you saturate the color by 10%, you get **67.5216, 0.2756, 0.3210**, and if you desaturate by 10%, it is **76.6640, 0.3053, 0.3276**.

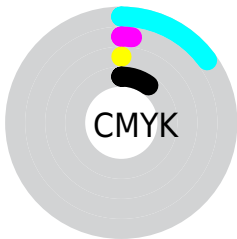
Distribution



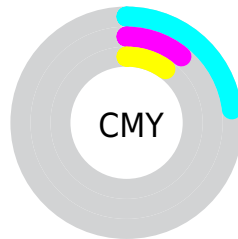
- Red (77%)
- Green (89%)
- Blue (90%)



- Red (77%)
- Yellow (83%)
- Blue (90%)



- Cyan (15%)
- Magenta (2%)
- Yellow (0%)
- Black (10%)



- Cyan (23%)
- Magenta (11%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.8416, 0.2901, 0.3244 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 71.8416, 0.2901, 0.3244 by changing the saturation by 10% instead.

■ 71.8416, 0.2901,
0.3244

■ 71.8416, 0.2901,
0.3244

466.9901, 0.3005,
0.3266

■ 53.0293, 0.2877,
0.3239

121.8313, 0.2937,
0.3252

■ 37.8262, 0.2848,
0.3232

153.7775, 0.2951,
0.3255

■ 25.8478, 0.2811,
0.3223

190.8704, 0.2963,
0.3258

■ 16.7098, 0.2763,
0.3211

233.4945, 0.2974,
0.3260

■ 10.0278, 0.2697,
0.3195

282.0341, 0.2983,
0.3262

■ 5.4174, 0.2602,
0.3170

336.8736, 0.2991,

■ 2.4942, 0.2456,

0.3263

0.3127

398.3975, 0.2999,
0.3265

0.8737, 0.2141,
0.3063

0.0000, 0.0000,
0.0000

71.8416, 0.2901,
0.3244

71.8416, 0.2901,
0.3244

67.5216, 0.2756,
0.3210

76.6640, 0.3053,
0.3276

63.6736, 0.2621,
0.3173

82.0002, 0.3208,
0.3305

60.2774, 0.2499,
0.3134

85.9263, 0.3296,
0.3331

57.3075, 0.2392,
0.3094

87.4925, 0.3293,
0.3358

■ 54.7361, 0.2304,
0.3052

■ 89.0827, 0.3290,
0.3385

■ 52.5317, 0.2234,
0.3010

■ 90.6970, 0.3287,
0.3411

■ 50.6579, 0.2184,
0.2969

■ 92.3356, 0.3284,
0.3438

■ 49.0700, 0.2152,
0.2928

■ 93.9984, 0.3281,
0.3464

■ 48.3209, 0.2141,
0.2906

■ 95.6857, 0.3278,
0.3490

Harmonies

Analogous

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



71.8416, 0.2976, 0.3360



71.8416, 0.2901, 0.3244



71.8416, 0.2886, 0.3143

Triad

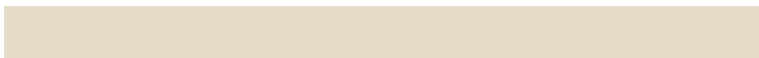
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.8416, 0.2901, 0.3244



71.8416, 0.3160, 0.3130



71.8416, 0.3322, 0.3498

Complementary

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



71.8416, 0.2901, 0.3244



62.1337, 0.3396, 0.3336

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.



71.8416, 0.3374, 0.3431



71.8416, 0.2901, 0.3244



71.8416, 0.3280, 0.3220

Square

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



71.8416, 0.2901, 0.3244



71.8416, 0.3033, 0.3081



71.8416, 0.3359, 0.3329



71.8416, 0.3218, 0.3509

Rectangle

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



71.8416, 0.2901, 0.3244



71.8416, 0.2911, 0.3099



71.8416, 0.3359, 0.3329



71.8416, 0.3347, 0.3481

Sweetspot

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



71.8446, 0.2901, 0.3244



97.3476, 0.3065, 0.3278



72.5186, 0.3084, 0.3637



20.7322, 0.3053, 0.3276



0.0000, 0.0000, 0.0000



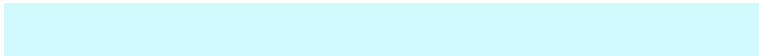
21.4041, 0.3127, 0.3290

Same Dimension

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



71.8446, 0.2901, 0.3244



88.8877, 0.2852, 0.3233



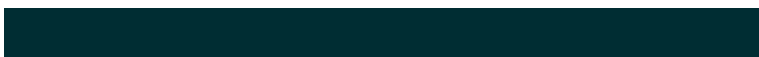
63.0701, 0.2894, 0.3049



16.0293, 0.2982, 0.3261



27.4645, 0.2143, 0.2913



2.1124, 0.2159, 0.2973

Inverse Universe

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



61.7946, 0.3174, 0.2967



73.7845, 0.3185, 0.2893



70.4335, 0.3369, 0.3520



14.5843, 0.3156, 0.3085



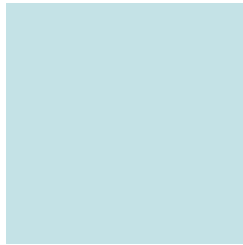
11.9703, 0.3532, 0.1719



0.8929, 0.3478, 0.1690

Previews

White Background



This preview shows how the Yxy color 71.8416, 0.2901, 0.3244 looks on a white background.

Color Contrast Check

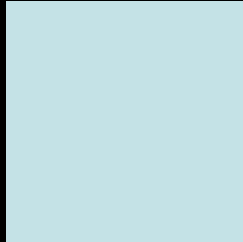
Large Text (above 18pt) WCAG AA × Fail

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 71.8416, 0.2901, 0.3244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

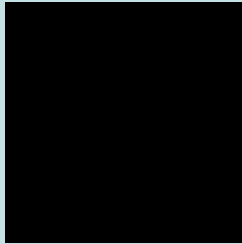
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

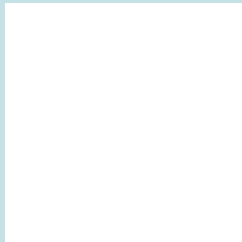
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.8416, 0.2901, 0.3244

Background



This preview shows how black text looks on a background with the Yxy color 71.8416, 0.2901, 0.3244.

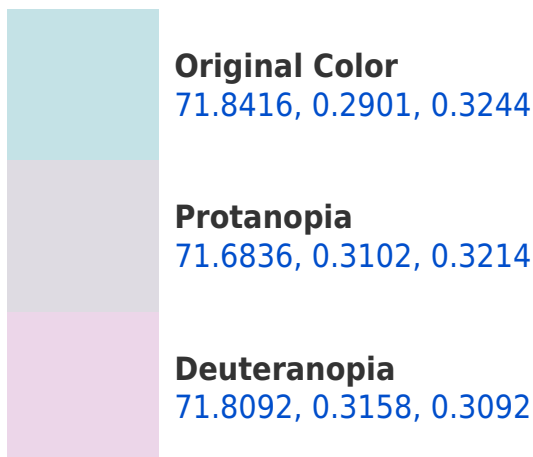


This preview shows how white text looks on a background with the Yxy color 71.8416, 0.2901, 0.3244.

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

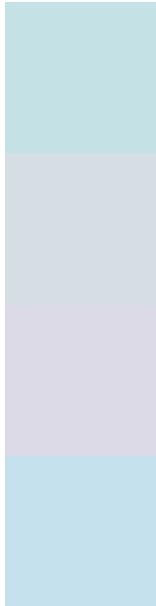




Tritanopia

71.7279, 0.2843, 0.3091

Trichromacy



Original Color

71.8416, 0.2901, 0.3244

Protanomaly

71.9347, 0.3032, 0.3235

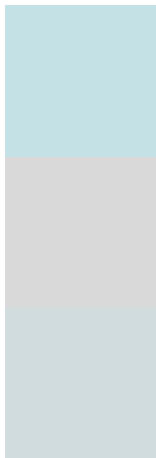
Deuteranomaly

71.3412, 0.3056, 0.3139

Tritanomaly

71.8938, 0.2860, 0.3145

Monochromacy



Original Color

71.8416, 0.2901, 0.3244

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

70.0156, 0.3037, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.8416, 0.2901, 0.3244 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(196, 226, 230)` looks like.

```
.text, #text, p{  
    color:rgb(196, 226, 230)  
}
```

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(196, 226, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 226, 230) }
```

Border

The CSS property to change the border of an element to Yxy 71.8416, 0.2901, 0.3244 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(196, 226, 230) }
```

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

```
.border{ border-color:rgb(196, 226, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 226, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 226, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 226, 230);  
box-shadow:4px 4px 4px 4px rgb(196, 226,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 71.8416, 0.2901, 0.3244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 226, 230) }
```

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

```
.background{ background-color: rgb(196,  
226, 230) }
```

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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