

Converting Colors

$Y_{xy}(76.1230, 0.2854, 0.3290)$

Have a look what the booklet for
Yxy(76.1230, 0.2854, 0.3290)
contains.

Yxy(75.9926, 0.2857, 0.3289)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(75.9926, 0.2857, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	C0EAEA
RGB	192, 234, 234
RGB Percent	75%, 92%, 92%
CMY	0.2471, 0.0823, 0.0823
CMYK	0.18, 0.00, 0.00, 0.08
HSL	180°, 50%, 84%
HSV	180°, 18%, 92%
XYZ	66.0112, 75.9926, 89.0470
YIQ	221.4420, -25.0320, -8.9040

Conversions

Conversions Part 2

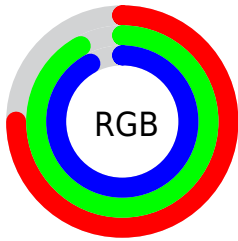
Format	Color
R _Y B	192, 213, 234
Decimal	12643050
CIE Lab	89.86, -13.49, -4.52
CIE LCh	90, 14.225, 198.536
Yxy	75.9926, 0.2857, 0.3289
Android (android.graphics.Color)	4290833130 (0xFFC0EAEA)
YUV	221.4420, 6.1911, -25.8206
Hunter-Lab	87.1737, -17.3872, 0.4576

Details

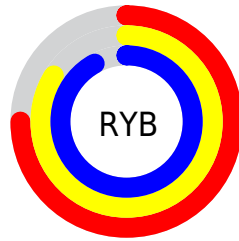
The Yxy color **75.9926, 0.2857, 0.3289** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.0004, 0.3475, 0.3291**, and the grayscale version is **72.6024, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8797, 0.3090, 0.3290**, and **40.4584, 0.2800, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **73.1751, 0.2721, 0.3289**, and if you desaturate by 10%, it is **79.3021, 0.3004, 0.3290**.

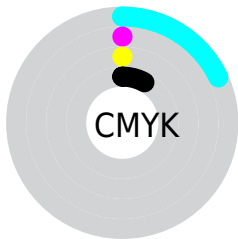
Distribution



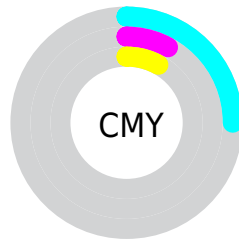
- Red (75%)
- Green (92%)
- Blue (92%)



- Red (75%)
- Yellow (84%)
- Blue (92%)



- Cyan (18%)
- Magenta (0%)
- Yellow (0%)
- Black (8%)




- Cyan (25%)
- Magenta (8%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.9926, 0.2857, 0.3289 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 75.9926, 0.2857, 0.3289 by changing the saturation by 10% instead.


 75.9926, 0.2857,
0.3289

 75.9926, 0.2857,
0.3289

481.3224, 0.2980,
0.3291

 56.4264, 0.2829,
0.3288

 127.7164, 0.2899,
0.3290

 40.5449, 0.2795,
0.3287


160.6429, 0.2916,
0.3290

 27.9637, 0.2752,
0.3286


198.7916, 0.2930,
0.3290

 18.2983, 0.2697,
0.3284

242.5470, 0.2943,
0.3290

 11.1643, 0.2622,
0.3280

292.2933, 0.2954,
0.3291

 6.1775, 0.2516,
0.3273

348.4150, 0.2964,

 2.9533, 0.2355,

0.3291

411.2966, 0.2972,
0.3291

0.3259

1.1074, 0.2066,
0.3232

0.0000, 0.0000,
0.0000

75.9926, 0.2857,
0.3289

75.9926, 0.2857,
0.3289

73.1751, 0.2721,
0.3289

79.3021, 0.3004,
0.3290

70.8172, 0.2599,
0.3288


83.1155, 0.3159,
0.3290

68.8973, 0.2494,
0.3288

86.0668, 0.3270,
0.3291

67.3885, 0.2407,
0.3287


86.0719, 0.3270,
0.3291

 66.2605, 0.2340,
0.3287


 86.0771, 0.3270,
0.3291

 65.4794, 0.2292,
0.3287

 86.0822, 0.3270,
0.3291

 65.0048, 0.2262,
0.3286

 86.0873, 0.3270,
0.3291

 64.7812, 0.2248,
0.3286

 86.0924, 0.3270,
0.3291

 64.7494, 0.2246,
0.3286

 86.0976, 0.3270,
0.3291

Harmonies

Analogous

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



75.9926, 0.2981, 0.3442



75.9926, 0.2857, 0.3289



75.9926, 0.2804, 0.3141

Triad

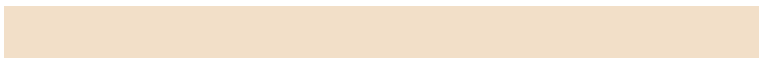
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.9926, 0.2857, 0.3289



75.9926, 0.3101, 0.3044



75.9926, 0.3426, 0.3538

Complementary

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



75.9926, 0.2857, 0.3289



59.0004, 0.3475, 0.3291

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.



75.9926, 0.3461, 0.3425



75.9926, 0.2857, 0.3289



75.9926, 0.3271, 0.3144

Square

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



75.9926, 0.2857, 0.3289



75.9926, 0.2942, 0.3005



75.9926, 0.3404, 0.3282



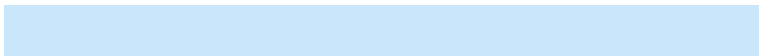
75.9926, 0.3310, 0.3588

Rectangle

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



75.9926, 0.2857, 0.3289



75.9926, 0.2815, 0.3066



75.9926, 0.3404, 0.3282



75.9926, 0.3448, 0.3506

Sweetspot

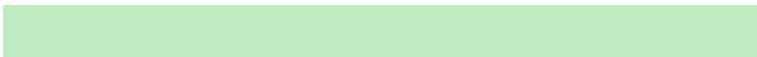
The Sweet Spot groups the original color and five complimentary colors.



75.9957, 0.2857, 0.3289



97.6584, 0.3049, 0.3290



73.8681, 0.3104, 0.3779



20.8352, 0.3038, 0.3290



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.



75.9957, 0.2857, 0.3289



90.8547, 0.2799, 0.3289



64.7363, 0.2844, 0.3049



17.1209, 0.2981, 0.3289



36.3780, 0.2246, 0.3286



2.8569, 0.2246, 0.3286

Inverse Universe

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



61.1292, 0.3148, 0.2845



69.2795, 0.3153, 0.2741



68.8915, 0.3435, 0.3519



15.3137, 0.3138, 0.3058



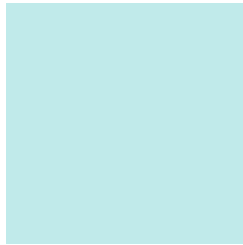
13.1652, 0.3210, 0.1542



1.0338, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 75.9926, 0.2857, 0.3289 looks on a white background.

Color Contrast Check

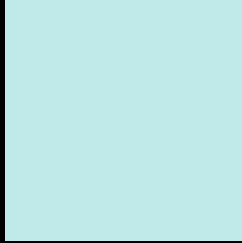
Large Text (above 18pt) WCAG AA × Fail

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 75.9926, 0.2857, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

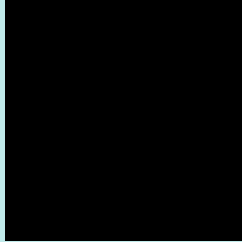
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

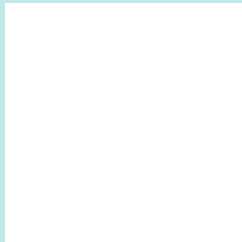
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.9926, 0.2857, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 75.9926, 0.2857, 0.3289.

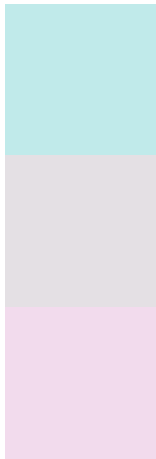


This preview shows how white text looks on a background with the Yxy color 75.9926, 0.2857, 0.3289.

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



Original Color

75.9926, 0.2857, 0.3289

Protanopia

75.4067, 0.3129, 0.3248

Deuteranopia

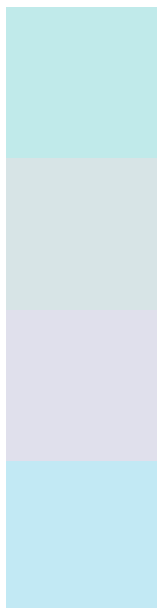
75.6547, 0.3171, 0.3106



Tritanopia

76.2175, 0.2785, 0.3094

Trichromacy



Original Color

75.9926, 0.2857, 0.3289

Protanomaly

75.6470, 0.3026, 0.3268

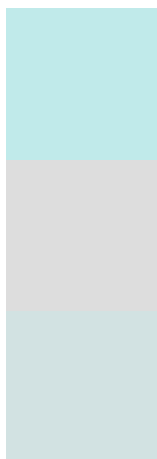
Deuteranomaly

75.2147, 0.3050, 0.3163

Tritanomaly

76.2788, 0.2813, 0.3169

Monochromacy



Original Color

75.9926, 0.2857, 0.3289

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

73.5853, 0.3018, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.9926, 0.2857, 0.3289 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(192, 234, 234)` looks like.

```
.text, #text, p{  
    color:rgb(192, 234, 234)  
}
```

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(192, 234, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 234, 234) }
```

Border

The CSS property to change the border of an element to Yxy 75.9926, 0.2857, 0.3289 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(192, 234, 234) }
```

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

```
.border{ border-color:rgb(192, 234, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 234, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 234, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 234, 234);  
box-shadow:4px 4px 4px 4px rgb(192, 234,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 75.9926, 0.2857, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 234, 234) }
```

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

```
.background{ background-color: rgb(192,  
234, 234) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor