

# Converting Colors

Yxy(76.0798, 0.2990, 0.3340)

Have a look what the booklet for  
Yxy(76.0798, 0.2990, 0.3340)  
contains.

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# Color

**Yxy(75.9633, 0.2992, 0.3333)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFE7E3
RGB	207, 231, 227
RGB Percent	81%, 91%, 89%
CMY	0.1879, 0.0942, 0.1097
CMYK	0.10, 0.00, 0.02, 0.09
HSL	170°, 33%, 86%
HSV	170°, 10%, 91%
XYZ	68.1915, 75.9633, 83.7579
YIQ	223.3680, -13.0200, -6.3320

# Conversions

## Conversions Part 2

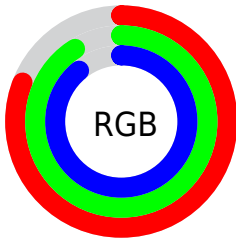
Format	Color
R <sub>Y</sub> B	207, 220, 231
Decimal	13625315
CIE Lab	89.84, -8.61, -0.77
CIE LCh	90, 8.640, 185.091
Yxy	75.9633, 0.2992, 0.3333
Android (android.graphics.Color)	4291815395 (0xFFCFE7E3)
YUV	223.3680, 1.7906, -14.3547
Hunter-Lab	87.1569, -12.8664, 4.0321

# Details

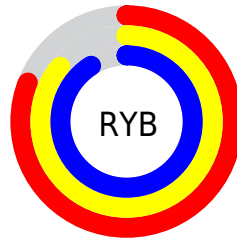
The Yxy color **75.9633, 0.2992, 0.3333** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.3545, 0.3281, 0.3248**, and the grayscale version is **74.0724, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.4108, 0.2962, 0.3333** is the 20% darker color. If you saturate the color by 10%, you get **72.6688, 0.2868, 0.3379**, and if you desaturate by 10%, it is **79.7557, 0.3123, 0.3291**.

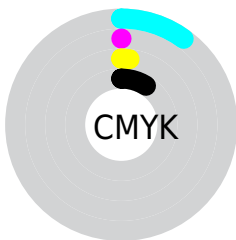
# Distribution



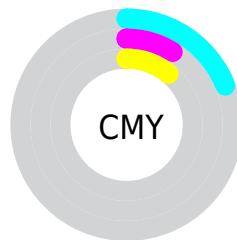
- Red (81%)
- Green (91%)
- Blue (89%)



- Red (81%)
- Yellow (86%)
- Blue (91%)



- Cyan (10%)
- Magenta (0%)
- Yellow (2%)
- Black (9%)



- Cyan (19%)
- Magenta (9%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.9633, 0.2992, 0.3333 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 75.9633, 0.2992, 0.3333 by changing the saturation by 10% instead.



■ 75.9633, 0.2992,  
0.3333

■ 75.9633, 0.2992,  
0.3333

481.2221, 0.3054,  
0.3313

■ 56.4024, 0.2978,  
0.3337

127.6750, 0.3013,  
0.3326

■ 40.5257, 0.2961,  
0.3343

160.5947, 0.3022,  
0.3324

■ 27.9486, 0.2939,  
0.3350

198.7360, 0.3029,  
0.3321

■ 18.2869, 0.2910,  
0.3358

242.4834, 0.3035,  
0.3319

■ 11.1562, 0.2872,  
0.3370

292.2214, 0.3041,  
0.3318

■ 6.1720, 0.2817,  
0.3387

348.3342, 0.3046,

■ 2.9499, 0.2731,

0.3316

411.2063, 0.3050,  
0.3315

0.3413

1.1057, 0.2581,  
0.3457

0.0000, 0.0000,  
0.0000

75.9633, 0.2992,  
0.3333

75.9633, 0.2992,  
0.3333

72.6688, 0.2868,  
0.3379

79.7557, 0.3123,  
0.3291

69.8414, 0.2753,  
0.3428


84.0561, 0.3257,  
0.3254

67.4618, 0.2650,  
0.3481

84.6049, 0.3244,  
0.3217


65.5055, 0.2562,  
0.3537


84.8328, 0.3219,  
0.3179

 63.9456, 0.2491,  
0.3595


 85.0655, 0.3194,  
0.3142

 62.7522, 0.2440,  
0.3654


 85.3030, 0.3170,  
0.3106

 61.8910, 0.2408,  
0.3714

 85.5454, 0.3146,  
0.3069

 61.3212, 0.2395,  
0.3774

 85.6225, 0.3138,  
0.3058

 60.9808, 0.2397,  
0.3830

# Harmonies

## Analogous

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



75.9633, 0.3082, 0.3416



75.9633, 0.2992, 0.3333



75.9633, 0.2938, 0.3239

# Triad

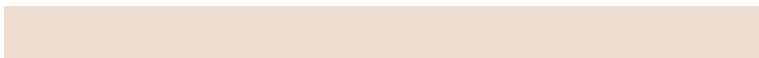
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.9633, 0.2992, 0.3333



75.9633, 0.3066, 0.3123



75.9633, 0.3325, 0.3415

# Complementary

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



75.9633, 0.2992, 0.3333



66.3545, 0.3281, 0.3248

# 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.



75.9633, 0.3320, 0.3336



75.9633, 0.2992, 0.3333



75.9633, 0.3170, 0.3169

# Square

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



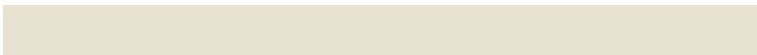
75.9633, 0.2992, 0.3333



75.9633, 0.2980, 0.3120



75.9633, 0.3263, 0.3246



75.9633, 0.3275, 0.3463



# Rectangle

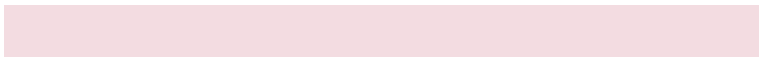
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.9633, 0.2992, 0.3333



75.9633, 0.2929, 0.3184



75.9633, 0.3263, 0.3246



75.9633, 0.3329, 0.3391

# Sweetspot

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



75.9665, 0.2992, 0.3333



98.4965, 0.3087, 0.3302



75.5093, 0.3142, 0.3555



20.9984, 0.3077, 0.3305



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

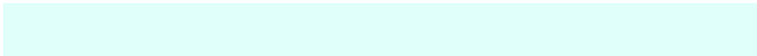


# Same Dimension

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



75.9665, 0.2992, 0.3333



94.3292, 0.2970, 0.3341



71.8285, 0.2967, 0.3202



16.2933, 0.3003, 0.3329



34.2081, 0.2395, 0.3821



2.5388, 0.2371, 0.3734



# Inverse Universe

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



66.3545, 0.3281, 0.3248



80.4699, 0.3310, 0.3240



70.1194, 0.3300, 0.3377



14.4067, 0.3266, 0.3251



9.6157, 0.6155, 0.3164

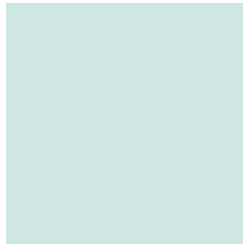


0.7223, 0.5782, 0.2959



# Previews

## White Background



This preview shows how the Yxy color 75.9633, 0.2992, 0.3333 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

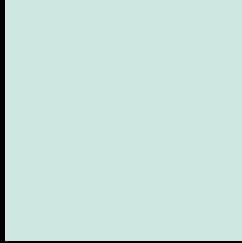
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.9633, 0.2992, 0.3333 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

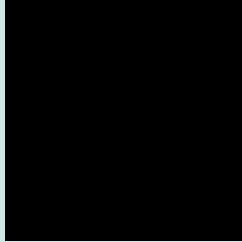
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

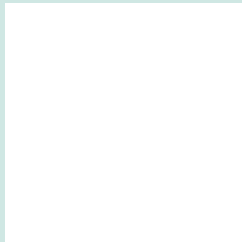
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.9633, 0.2992, 0.3333**

## Background



This preview shows how black text looks on a background with the Yxy color 75.9633, 0.2992, 0.3333.

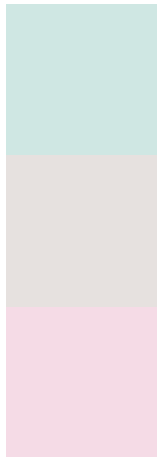


This preview shows how white text looks on a background with the Yxy color 75.9633, 0.2992, 0.3333.

# 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

75.9633, 0.2992, 0.3333

### Protanopia

76.0011, 0.3175, 0.3311

### Deuteranopia

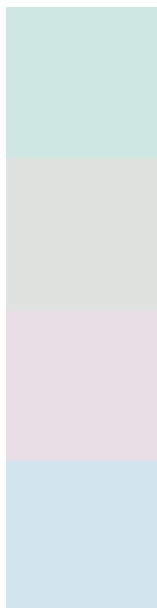
75.7887, 0.3240, 0.3178



## Tritanopia

75.8423, 0.2898, 0.3097

# Trichromacy



## Original Color

75.9633, 0.2992, 0.3333

## Protanomaly

75.8496, 0.3112, 0.3322

## Deuteranomaly

75.4214, 0.3144, 0.3227

## Tritanomaly

75.8259, 0.2933, 0.3182

# Monochromacy



## Original Color

75.9633, 0.2992, 0.3333

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

74.5262, 0.3078, 0.3312

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.9633, 0.2992, 0.3333 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(207, 231, 227)` looks like.

```
.text, #text, p{  
    color:rgb(207, 231, 227)  
}
```

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(207, 231, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 231, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 75.9633, 0.2992, 0.3333 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(207, 231, 227) }
```

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

```
.border{ border-color:rgb(207, 231, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 231, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 231, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 231, 227);  
box-shadow:4px 4px 4px 4px rgb(207, 231,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.9633, 0.2992, 0.3333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 231, 227) }
```

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

```
.background{ background-color: rgb(207,  
231, 227) }
```

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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