

# Converting Colors

$Yxy(79.8055, 0.2853, 0.3340)$

Have a look what the booklet for  
Yxy(79.8055, 0.2853, 0.3340)  
contains.

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# **Color**

**Yxy(79.5828, 0.2850, 0.3333)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0F0EC
RGB	192, 240, 236
RGB Percent	75%, 94%, 93%
CMY	0.2468, 0.0589, 0.0745
CMYK	0.20, 0.00, 0.02, 0.06
HSL	175°, 61%, 85%
HSV	175°, 20%, 94%
XYZ	68.0501, 79.5828, 91.1394
YIQ	225.1920, -27.3240, -11.4200

# Conversions

## Conversions Part 2

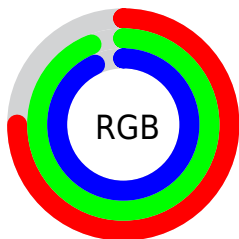
Format	Color
R <sub>Y</sub> B	192, 217, 240
Decimal	12644588
CIE Lab	91.50, -16.05, -3.15
CIE LCh	91, 16.355, 191.089
Yxy	79.5828, 0.2850, 0.3333
Android (android.graphics.Color)	4290834668 (0xFFC0F0EC)
YUV	225.1920, 5.3283, -29.1094
Hunter-Lab	89.2092, -19.9536, 1.8736

# Details

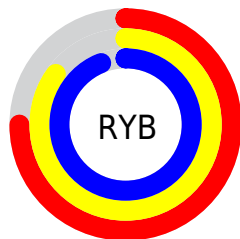
The Yxy color **79.5828, 0.2850, 0.3333** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.2352, 0.3492, 0.3248**, and the grayscale version is **75.4255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8797, 0.3090, 0.3290**, and **42.9795, 0.2792, 0.3347** is the 20% darker color. If you saturate the color by 10%, you get **76.5882, 0.2725, 0.3357**, and if you desaturate by 10%, it is **83.0961, 0.2985, 0.3311**.

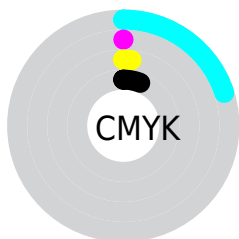
# Distribution



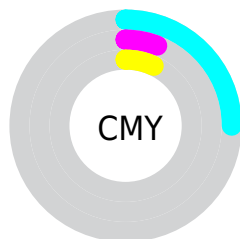
- Red (75%)
- Green (94%)
- Blue (93%)



- Red (75%)
- Yellow (85%)
- Blue (94%)



- Cyan (20%)
- Magenta (0%)
- Yellow (2%)
- Black (6%)



- Cyan (25%)
- Magenta (6%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.5828, 0.2850, 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 79.5828, 0.2850, 0.3333 by changing the saturation by 10% instead.





 79.5828, 0.2850,  
0.3333

 79.5828, 0.2850,  
0.3333


493.5257, 0.2976,  
0.3315

 59.3751, 0.2822,  
0.3337

 132.7790, 0.2893,  
0.3327

 42.9151, 0.2788,  
0.3342

166.5363, 0.2910,  
0.3324

 29.8185, 0.2745,  
0.3347


205.5789, 0.2925,  
0.3322

 19.7009, 0.2689,  
0.3354

250.2913, 0.2937,  
0.3320

 12.1778, 0.2615,  
0.3363

301.0577, 0.2949,  
0.3319

 6.8649, 0.2511,  
0.3375


358.2627, 0.2959,


 3.3777, 0.2354,


0.3317

422.2906, 0.2967,  
0.3316


0.3390


 1.3320, 0.2093,  
0.3408

 0.1658, 0.0000,  
0.2928


 79.5828, 0.2850,  
0.3333


 79.5828, 0.2850,  
0.3333


 76.5882, 0.2725,  
0.3357


 83.0961, 0.2985,  
0.3311


 74.0777, 0.2614,  
0.3383


 87.1414, 0.3128,  
0.3290

 72.0278, 0.2519,  
0.3410

 89.9855, 0.3214,  
0.3271

 70.4092, 0.2441,  
0.3438

 90.1059, 0.3202,  
0.3252

 69.1892, 0.2383,  
0.3466


 90.2276, 0.3189,  
0.3232


 68.3302, 0.2345,  
0.3495


 90.3506, 0.3177,  
0.3213


 67.7878, 0.2325,  
0.3523

 90.4749, 0.3165,  
0.3194

 67.4870, 0.2320,  
0.3551

 90.6005, 0.3153,  
0.3175

 67.4863, 0.2320,  
0.3551

 90.7275, 0.3140,  
0.3156

# Harmonies

## Analogous

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



79.5828, 0.3005, 0.3501



79.5828, 0.2850, 0.3333



79.5828, 0.2769, 0.3158

# Triad

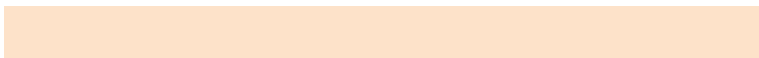
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.5828, 0.2850, 0.3333



79.5828, 0.3049, 0.2995



79.5828, 0.3485, 0.3544

# Complementary

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



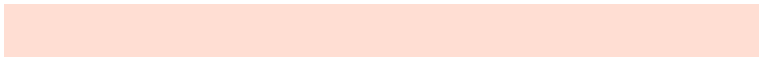
79.5828, 0.2850, 0.3333



60.2352, 0.3492, 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.



79.5828, 0.3500, 0.3403



79.5828, 0.2850, 0.3333



79.5828, 0.3244, 0.3092

# Square

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



79.5828, 0.2850, 0.3333



79.5828, 0.2881, 0.2970



79.5828, 0.3410, 0.3239



79.5828, 0.3373, 0.3622

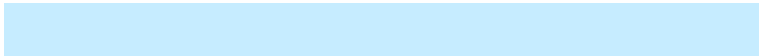


# Rectangle

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



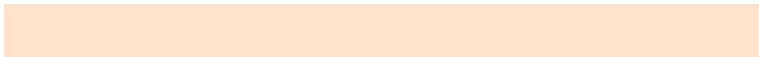
79.5828, 0.2850, 0.3333



79.5828, 0.2766, 0.3064



79.5828, 0.3410, 0.3239



79.5828, 0.3502, 0.3502

# Sweetspot

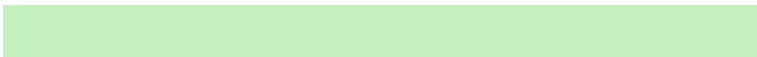
The Sweet Spot groups the original color and five complimentary colors.



79.5861, 0.2850, 0.3333



97.1313, 0.3041, 0.3302



77.8663, 0.3127, 0.3837



20.7262, 0.3031, 0.3304



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

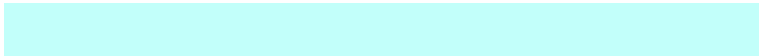


# Same Dimension

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



79.5861, 0.2850, 0.3333



89.8600, 0.2797, 0.3343



68.7010, 0.2814, 0.3065



17.9050, 0.2992, 0.3309



36.9555, 0.2319, 0.3547



3.0810, 0.2308, 0.3510



# Inverse Universe

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



60.2352, 0.3492, 0.3248



63.8726, 0.3589, 0.3239



69.4339, 0.3483, 0.3505



15.7801, 0.3280, 0.3271



10.1762, 0.6309, 0.3249

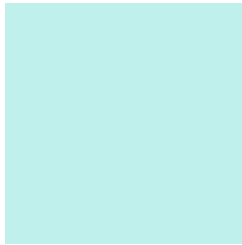


0.8538, 0.6095, 0.3131



# Previews

## White Background



This preview shows how the Yxy color 79.5828, 0.2850, 0.3333 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

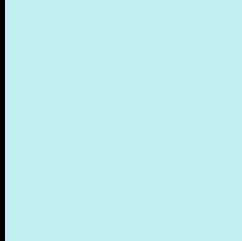
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.5828, 0.2850, 0.3333 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

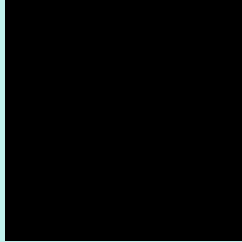
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

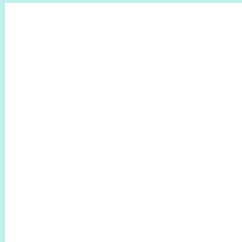
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 79.5828, 0.2850, 0.3333**

## Background



This preview shows how black text looks on a background with the Yxy color 79.5828, 0.2850, 0.3333.

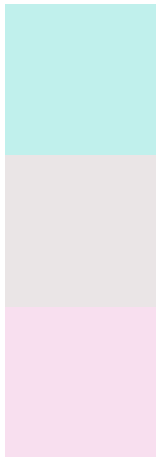


This preview shows how white text looks on a background with the Yxy color 79.5828, 0.2850, 0.3333.

# 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

79.5828, 0.2850, 0.3333

### Protanopia

79.2442, 0.3155, 0.3280

### Deuteranopia

78.9638, 0.3198, 0.3130



## Tritanopia

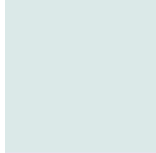
79.6587, 0.2774, 0.3097

# Trichromacy



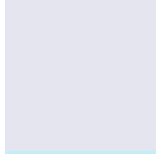
## Original Color

79.5828, 0.2850, 0.3333



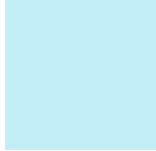
## Protanomaly

79.1641, 0.3040, 0.3300



## Deuteranomaly

78.7056, 0.3064, 0.3196



## Tritanomaly

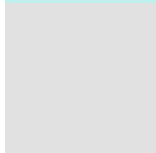
79.5285, 0.2801, 0.3181

# Monochromacy



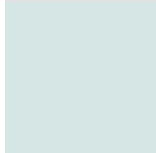
## Original Color

79.5828, 0.2850, 0.3333



## Achromatopsia

75.2942, 0.3127, 0.3290



## Achromatomaly

76.3969, 0.3019, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.5828, 0.2850, 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(192, 240, 236)` looks like.

```
.text, #text, p{  
    color:rgb(192, 240, 236)  
}
```

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, 240, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 240, 236) }
```

## Border

The CSS property to change the border of an element to Yxy 79.5828, 0.2850, 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(192, 240, 236) }
```

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

```
.border{ border-color:rgb(192, 240, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 240, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 240, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 240, 236);  
box-shadow:4px 4px 4px 4px rgb(192, 240,  
236) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.5828, 0.2850, 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(192, 240, 236) }
```

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

```
.background{ background-color: rgb(192,  
240, 236) }
```

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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