

# Converting Colors

XYZ(70.0121, 76.3831, 88.8953)

Have a look what the booklet for  
XYZ(70.0121, 76.3831, 88.8953)  
contains.

**XYZ(70.0121, 76.3830, 88.8953) ..... 3**  
***Conversions* ..... 4**  
***Details* ..... 6**  
***Harmonies* ..... 12**  
***Previews* ..... 24**  
***Color Blindness Simulation* ..... 28**  
***CSS Examples* ..... 31**

# Color

**XYZ(70.0121, 76.3830,  
88.8953)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3E6EA
RGB	211, 230, 234
RGB Percent	83%, 90%, 92%
CMY	0.1725, 0.0980, 0.0823
CMYK	0.10, 0.02, 0.00, 0.08
HSL	190°, 35%, 87%
HSV	190°, 10%, 92%
XYZ	70.0121, 76.3830, 88.8953
YIQ	224.7750, -12.6080, -2.7840

# Conversions

## Conversions Part 2

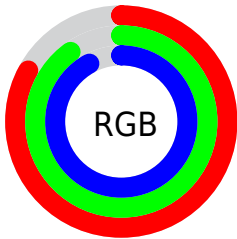
Format	Color
R <sub>Y</sub> B	211, 221, 234
Decimal	13887210
CIE Lab	90.04, -5.50, -4.10
CIE LCh	90, 6.859, 216.748
Yxy	76.3830, 0.2976, 0.3246
Android (android.graphics.Color)	4292077290 (0xFFD3E6EA)
YUV	224.7750, 4.5479, -12.0807
Hunter-Lab	87.3974, -9.9530, 0.8720

# Details

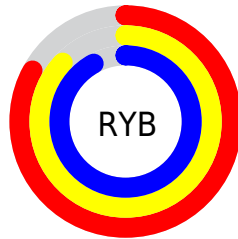
The XYZ color **70.0121, 76.3830, 88.8953** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.9905, 70.7962, 71.6056**, and the grayscale version is **71.3832, 75.1006, 81.7846**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.0762, 40.9422, 48.0680** is the 20% darker color. If you saturate the color by 10%, you get **62.6723, 70.9409, 88.2329**, and if you desaturate by 10%, it is **78.3586, 82.3874, 89.6156**.

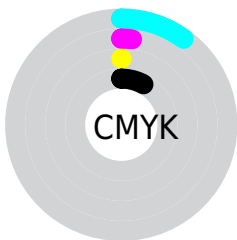
# Distribution



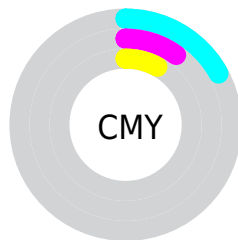
- Red (83%)
- Green (90%)
- Blue (92%)



- Red (83%)
- Yellow (87%)
- Blue (92%)



- Cyan (10%)
- Magenta (2%)
- Yellow (0%)
- Black (8%)



- Cyan (17%)
- Magenta (10%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0121, 76.3830, 88.8953 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 XYZ color 70.0121, 76.3830, 88.8953 by changing the saturation by 10% instead.



■ 70.0121, 76.3830,  
88.8953

■ 70.0121, 76.3830,  
88.8953

449.8582,  
482.6578, 544.9078

■ 51.8160, 56.7466,  
66.4962

118.2522,  
128.2682, 147.7250

■ 37.0821, 40.8018,  
48.2163

149.0269,  
161.2857, 184.9928

■ 25.4451, 28.1643,  
33.6370

184.7252,  
199.5325, 228.0539

■ 16.5394, 18.4495,  
22.3398

225.7125,  
243.3928, 277.3268

■ 9.9999, 11.2732,  
13.9061

272.3541,  
293.2511, 333.2301

■ 5.4612, 6.2509,  
7.9174

325.0153,

■ 2.5578, 2.9982,

349.4918, 396.1824

3.9551

384.0616,  
412.4992, 466.6021

■ 0.9245, 1.1308,  
1.6007

■ 0.0000, 0.0041,  
0.2914

■ 70.0121, 76.3830,  
88.8953

■ 70.0121, 76.3830,  
88.8953

■ 62.6723, 70.9409,  
88.2329

■ 78.3586, 82.3874,  
89.6156

■ 56.2904, 66.0294,  
87.6213

■ 86.7061, 88.4298,  
90.3419

■ 50.8235, 61.6283,  
87.0599

■ 87.9044, 90.8263,  
90.7413

■ 46.2225, 57.7119,  
86.5465

■ 89.1295, 93.2766,  
91.1497

■ 42.4338, 54.2525,  
86.0784

■ 90.3818, 95.7811,  
91.5671

■ 39.3978, 51.2189,  
85.6529

■ 91.6613, 98.3401,  
91.9936

■ 37.0461, 48.5757,  
85.2666

■ 91.8515, 98.7206,  
92.0570

■ 35.2977, 46.2808,  
84.9158

■ 34.0169, 44.2639,  
84.5940

# Harmonies

## Analogous

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



69.4020, 76.3830, 84.2728



70.0121, 76.3830, 88.8953



71.3170, 76.3830, 92.0685

# Triad

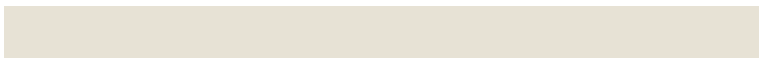
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.0121, 76.3830, 88.8953



75.6444, 76.3830, 86.9186



72.2164, 76.3830, 74.2141

# Complementary

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



70.0121, 76.3830, 88.8953



69.9905, 70.7962, 71.6056

# 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.



73.8978, 76.3830, 74.8606



70.0121, 76.3830, 88.8953



75.8943, 76.3830, 82.0731

# Square

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



70.0121, 76.3830, 88.8953



74.5729, 76.3830, 90.8965



75.2504, 76.3830, 77.6923



70.6617, 76.3830, 75.8907

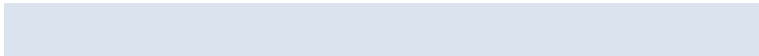


# Rectangle

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



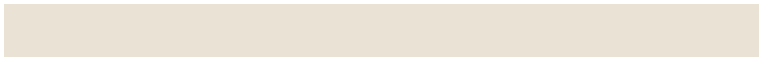
70.0121, 76.3830, 88.8953



72.4145, 76.3830, 92.8683



75.2504, 76.3830, 77.6923



72.7853, 76.3830, 74.1680

# Sweetspot

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



70.0143, 76.3862, 88.8970



91.8687, 97.7326, 108.6300



68.5325, 77.5936, 75.5442



19.4858, 20.7914, 23.2361



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

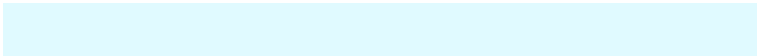


# Same Dimension

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



70.0143, 76.3862, 88.8970



83.0017, 91.3054, 107.8568



66.9613, 70.2801, 87.8793



15.2821, 16.6505, 19.3307



19.1864, 25.0199, 47.5611



1.5652, 2.0818, 3.7542



# Inverse Universe

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



71.5106, 69.7958, 84.5695



85.2089, 81.6688, 101.4544



72.9779, 76.7711, 72.6014



15.5959, 15.2662, 18.4234



24.5397, 12.0186, 29.7072

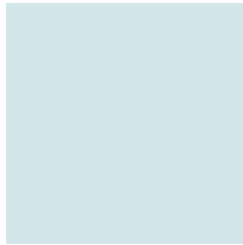


1.9565, 0.9556, 2.4884



# Previews

## White Background



This preview shows how the XYZ color 70.0121, 76.3830, 88.8953 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

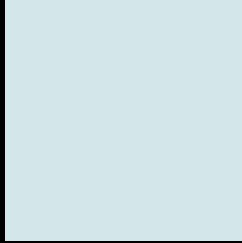
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.0121, 76.3830, 88.8953 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

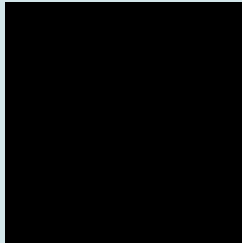
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

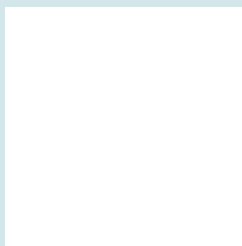
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 70.0121, 76.3830, 88.8953**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.0121, 76.3830, 88.8953.



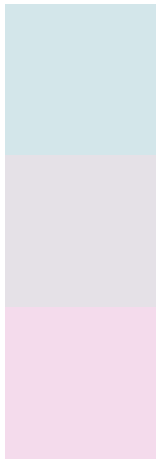
This preview shows how white text looks on a background with the XYZ color 70.0121, 76.3830,



# 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

70.0121, 76.3830, 88.8953

### Protanopia

73.6621, 76.2780, 86.4420

### Deuteranopia

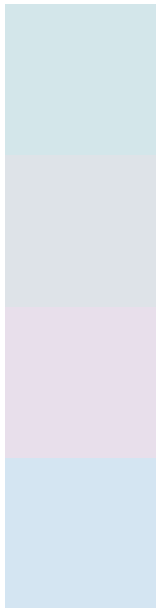
77.7801, 75.9523, 89.9177



## Tritanopia

71.8185, 76.2868, 98.1284

# Trichromacy



## Original Color

70.0121, 76.3830, 88.8953

## Protanomaly

72.1588, 76.2940, 87.2670

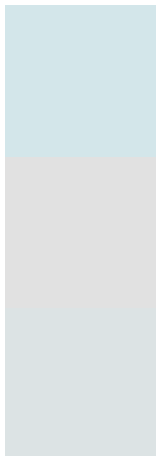
## Deuteranomaly

74.6618, 75.9293, 89.3180

## Tritanomaly

71.1977, 76.4465, 95.0075

# Monochromacy



## Original Color

70.0121, 76.3830, 88.8953

## Achromatopsia

71.5672, 75.2942, 81.9954

## Achromatomaly

70.9879, 75.7553, 84.2796

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.0121, 76.3830, 88.8953 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(211, 230, 234)` looks like.

```
.text, #text, p{  
    color:rgb(211, 230, 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(211, 230, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 230, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 70.0121, 76.3830, 88.8953 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(211, 230, 234) }
```



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

```
.border{ border-color:rgb(211, 230, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 230, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 230, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 230, 234);  
box-shadow:4px 4px 4px 4px rgb(211, 230,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.0121, 76.3830, 88.8953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 230, 234) }
```

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

```
.background{ background-color: rgb(211,  
230, 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