

Converting Colors

XYZ(70.2296, 76.7711, 93.0246)

Have a look what the booklet for
XYZ(70.2296, 76.7711, 93.0246)
contains.

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Color

**XYZ(70.1683, 76.7937,
92.7858)**

Conversions

Conversions Part 1

Format	Color
Hex	D0E7EF
RGB	208, 231, 239
RGB Percent	82%, 91%, 94%
CMY	0.1843, 0.0941, 0.0627
CMYK	0.13, 0.03, 0.00, 0.06
HSL	195°, 49%, 88%
HSV	195°, 13%, 94%
XYZ	70.1683, 76.7937, 92.7858
YIQ	225.0350, -16.2760, -2.3880

Conversions

Conversions Part 2

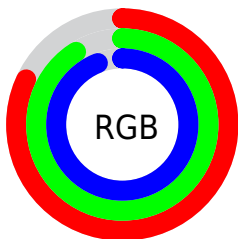
Format	Color
R _Y B	208, 221, 239
Decimal	13690863
CIE Lab	90.23, -5.98, -6.46
CIE LCh	90, 8.805, 227.239
Yxy	76.7937, 0.2927, 0.3203
Android (android.graphics.Color)	4291880943 (0xFFD0E7EF)
YUV	225.0350, 6.8847, -14.9397
Hunter-Lab	87.6320, -10.4283, -1.4345

Details

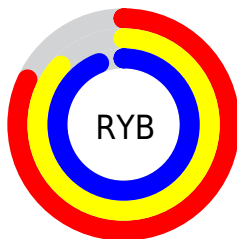
The XYZ color **70.1683, 76.7937, 92.7858** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.5381, 72.0162, 69.8059**, and the grayscale version is **71.5555, 75.2819, 81.9820**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.0141, 40.8511, 50.7340** is the 20% darker color. If you saturate the color by 10%, you get **62.2537, 70.1988, 91.9312**, and if you desaturate by 10%, it is **79.1607, 84.0386, 93.7115**.

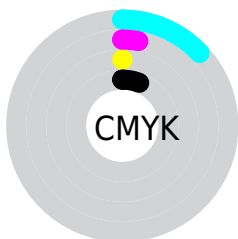
Distribution



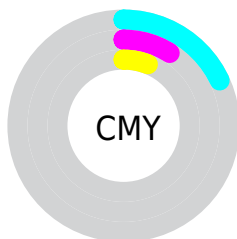
- Red (82%)
- Green (91%)
- Blue (94%)



- Red (82%)
- Yellow (87%)
- Blue (94%)



- Cyan (13%)
- Magenta (3%)
- Yellow (0%)
- Black (6%)



- Cyan (18%)
- Magenta (9%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.1683, 76.7937, 92.7858 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 70.1683, 76.7937, 92.7858 by changing the saturation by 10% instead.

70.1683, 76.7937,
92.7858

70.1683, 76.7937,
92.7858

450.3979,
484.0604, 557.8541

51.9438, 57.0836,
69.7068

118.4737,
128.8482, 153.1712

37.1844, 41.0723,
50.8122

149.2853,
161.9614, 191.3146

25.5246, 28.3756,
35.6835

185.0234,
200.3111, 235.3166

16.5992, 18.6090,
23.9021

226.0533,
244.2816, 285.5958

10.0426, 11.3881,
15.0495

272.7403,
294.2574, 342.5705

5.4897, 6.3285,
8.7071

325.4499,

2.5750, 3.0458,

350.6229, 406.6595

4.4564

384.5473,
413.7624, 478.2812

■ 0.9333, 1.1557,
1.8789

■ 0.0000, 0.0251,
0.4793

■ 70.1683, 76.7937,
92.7858

■ 70.1683, 76.7937,
92.7858

■ 62.2537, 70.1988,
91.9312

■ 79.1607, 84.0386,
93.7115

■ 55.3645, 64.2198,
91.1403

■ 88.9713, 91.7943,
94.6914

■ 49.4536, 58.8335,
90.4121

■ 90.8509, 95.5535,
95.3179

■ 44.4677, 54.0116,
89.7442

■ 92.5802, 99.0121,
95.8944

■ 40.3480, 49.7227,
89.1335

■ 37.0286, 45.9318,
88.5767

■ 34.4336, 42.5989,
88.0702

■ 32.4709, 39.6755,
87.6094

■ 31.3713, 37.8143,
87.3081

Harmonies

Analogous

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



69.0417, 76.7937, 87.2406



70.1683, 76.7937, 92.7858



72.0639, 76.7937, 95.9374

Triad

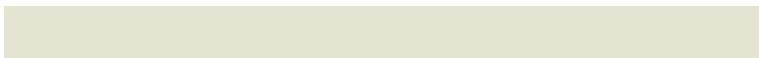
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.1683, 76.7937, 92.7858



77.1746, 76.7937, 86.3074



71.7492, 76.7937, 72.6180

Complementary

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



70.1683, 76.7937, 92.7858



71.5381, 72.0162, 69.8059

Split Complementary

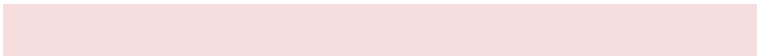
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.9242, 76.7937, 72.3962



70.1683, 76.7937, 92.7858



77.0862, 76.7937, 80.0919

Square

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



70.1683, 76.7937, 92.7858



76.1256, 76.7937, 92.0733



75.8866, 76.7937, 75.0698



69.9419, 76.7937, 75.6918

Rectangle

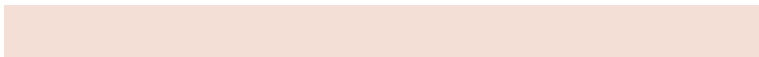
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



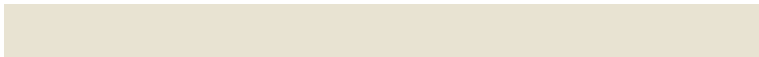
70.1683, 76.7937, 92.7858



73.5220, 76.7937, 96.1587



75.8866, 76.7937, 75.0698



72.4608, 76.7937, 72.2131

Sweetspot

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



70.1705, 76.7969, 92.7875



90.5628, 96.4492, 108.4511



69.2426, 80.0892, 76.6070



19.2085, 20.5041, 23.1952



0.0000, 0.0000, 0.0000



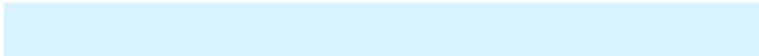
20.3446, 21.4041, 23.3091

Same Dimension

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



70.1705, 76.7969, 92.7875



78.3338, 86.5340, 107.1818



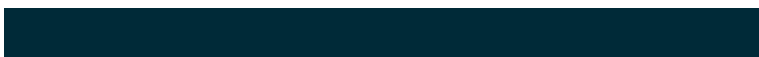
66.0856, 68.6270, 91.4259



15.8822, 17.1985, 20.2042



17.4476, 21.1195, 48.2848



1.5311, 1.9162, 4.0434

Inverse Universe

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



72.5780, 69.2336, 85.1431



81.7386, 76.0150, 96.3310



75.6290, 80.1980, 71.1695



16.2700, 15.9577, 18.9778



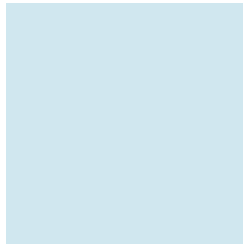
24.1324, 11.9254, 24.4114



2.0478, 1.0082, 2.2424

Previews

White Background



This preview shows how the XYZ color 70.1683, 76.7937, 92.7858 looks on a white background.

Color Contrast Check

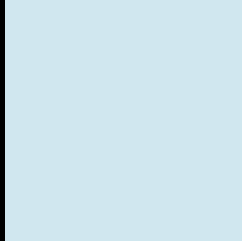
Large Text (above 18pt) WCAG AA × Fail

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 70.1683, 76.7937, 92.7858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

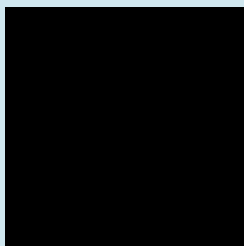
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

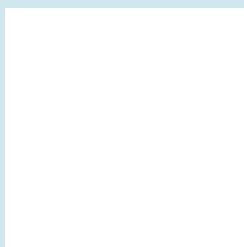
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.1683, 76.7937, 92.7858

Background



This preview shows how black text looks on a background with the XYZ color 70.1683, 76.7937, 92.7858.

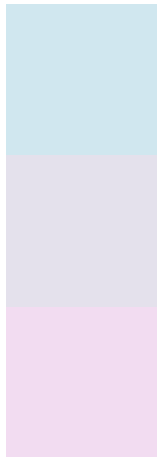


This preview shows how white text looks on a background with the XYZ color 70.1683, 76.7937,

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

70.1683, 76.7937, 92.7858

Protanopia

74.0604, 76.4005, 90.2003

Deuteranopia

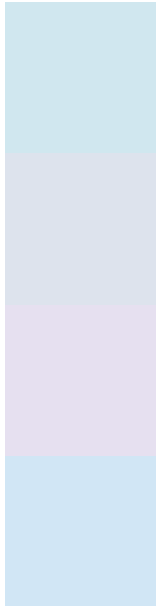
78.0883, 76.4145, 93.8529



Tritanopia

71.8184, 77.0726, 99.8982

Trichromacy



Original Color

70.1683, 76.7937, 92.7858

Protanomaly

72.5739, 76.4247, 91.0472

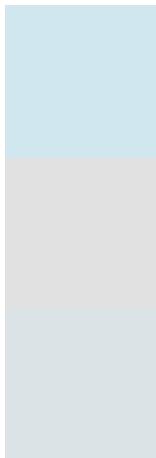
Deuteranomaly

75.0170, 76.4256, 93.2359

Tritanomaly

71.0727, 76.7415, 97.4529

Monochromacy



Original Color

70.1683, 76.7937, 92.7858

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

70.9654, 75.7114, 85.7364

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.1683, 76.7937, 92.7858 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(208, 231, 239)` looks like.

```
.text, #text, p{  
    color:rgb(208, 231, 239)  
}
```

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(208, 231, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 231, 239) }
```

Border

The CSS property to change the border of an element to XYZ 70.1683, 76.7937, 92.7858 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(208, 231, 239) }
```


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

```
.border{ border-color:rgb(208, 231, 239) }
```

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

Here you see how a box with a 4 pixel rgb(208, 231, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 231, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 231, 239);  
box-shadow:4px 4px 4px 4px rgb(208, 231,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 70.1683, 76.7937, 92.7858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 231, 239) }
```

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

```
.background{ background-color: rgb(208,  
231, 239) }
```

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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