

Converting Colors

XYZ(69.8538, 77.4389, 86.2834)

Have a look what the booklet for
XYZ(69.8538, 77.4389, 86.2834)
contains.

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Color

**XYZ(70.0002, 77.6926,
86.1697)**

Conversions

Conversions Part 1

Format	Color
Hex	D2E9E6
RGB	210, 233, 230
RGB Percent	82%, 91%, 90%
CMY	0.1765, 0.0863, 0.0980
CMYK	0.10, 0.00, 0.01, 0.09
HSL	172°, 34%, 87%
HSV	172°, 10%, 91%
XYZ	70.0002, 77.6926, 86.1697
YIQ	225.7810, -12.7450, -5.8090

Conversions

Conversions Part 2

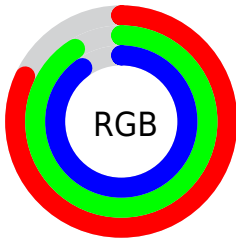
Format	Color
R _Y B	210, 222, 233
Decimal	13822438
CIE Lab	90.64, -8.12, -1.13
CIE LCh	91, 8.198, 187.955
Yxy	77.6926, 0.2993, 0.3322
Android (android.graphics.Color)	4292012518 (0xFFD2E9E6)
YUV	225.7810, 2.0800, -13.8399
Hunter-Lab	88.1434, -12.4929, 3.7380

Details

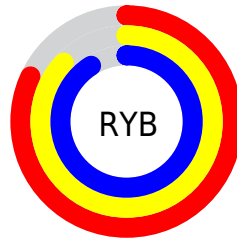
The XYZ color **70.0002, 77.6926, 86.1697** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.6639, 68.2230, 72.5038**, and the grayscale version is **72.1244, 75.8805, 82.6339**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.9776, 41.5080, 46.6204** is the 20% darker color. If you saturate the color by 10%, you get **63.4204, 74.3517, 83.6524**, and if you desaturate by 10%, it is **77.5577, 81.5410, 88.7749**.

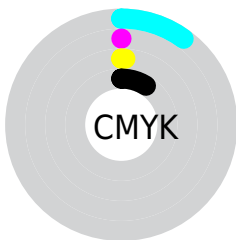
Distribution



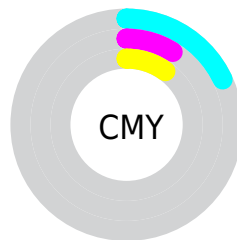
- Red (82%)
- Green (91%)
- Blue (90%)



- Red (82%)
- Yellow (87%)
- Blue (91%)



- Cyan (10%)
- Magenta (0%)
- Yellow (1%)
- Black (9%)



- Cyan (18%)
- Magenta (9%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0002, 77.6926, 86.1697 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 70.0002, 77.6926, 86.1697 by changing the saturation by 10% instead.

70.0002, 77.6926,
86.1697

70.0002, 77.6926,
86.1697

449.8171,
487.1222, 535.7358

51.8063, 57.8215,
64.2526

118.2353,
130.1167, 143.8949

37.0743, 41.6652,
46.4078

149.0072,
163.4385, 180.5401

25.4390, 28.8392,
32.2168

184.7025,
202.0126, 222.9318

16.5349, 18.9592,
21.2609

225.6865,
246.2235, 271.4884

9.9967, 11.6408,
13.1218

272.3247,
296.4555, 326.6286

5.4590, 6.4996,
7.3807

324.9822,

2.5565, 3.1512,

353.0930, 388.7709

3.6193

384.0246,
416.5205, 458.3338

■ 0.9238, 1.2112,
1.4189

■ 0.0000, 0.0708,
0.1564

■ 70.0002, 77.6926,
86.1697

■ 70.0002, 77.6926,
86.1697

■ 63.4204, 74.3517,
83.6524

■ 77.5577, 81.5410,
88.7749

■ 57.7702, 71.4869,
81.2158


■ 85.5332, 85.6018,
91.4372


■ 53.0070, 69.0787,
78.8591


■ 85.9793, 85.7802,
93.7864


■ 49.0826, 67.1019,
76.5801


■ 86.4330, 85.9617,
96.1754


 45.9441, 65.5295,
74.3760


 86.8943, 86.1462,
98.6046


 43.5325, 64.3310,
72.2439


 87.3632, 86.3338,
101.0739


 41.7802, 63.4715,
70.1803

 87.8398, 86.5244,
103.5837

 40.6073, 62.9099,
68.1814

 88.3241, 86.7182,
106.1341

 39.8785, 62.5764,
66.2406

 88.4303, 86.7607,
106.6934

Harmonies

Analogous

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



70.2425, 77.6926, 80.4176



70.0002, 77.6926, 86.1697



70.7727, 77.6926, 91.7461

Triad

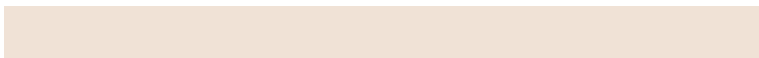
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.0002, 77.6926, 86.1697



76.3013, 77.6926, 93.8335



75.3374, 77.6926, 74.5334

Complementary

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



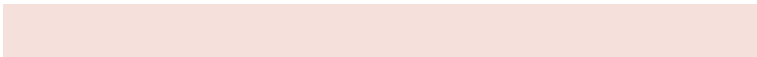
70.0002, 77.6926, 86.1697



68.6639, 68.2230, 72.5038

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.



77.0039, 77.6926, 77.8237



70.0002, 77.6926, 86.1697



77.5675, 77.6926, 88.9126

Square

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



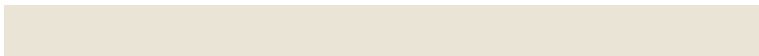
70.0002, 77.6926, 86.1697



74.3926, 77.6926, 96.3027



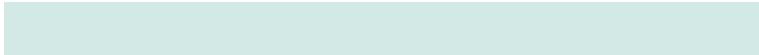
77.8270, 77.6926, 83.0377



73.2990, 77.6926, 73.8751

Rectangle

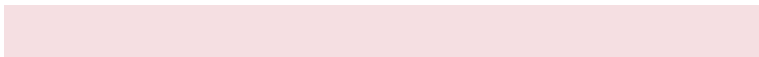
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.0002, 77.6926, 86.1697



71.7679, 77.6926, 94.5524



77.8270, 77.6926, 83.0377



75.9607, 77.6926, 75.3607

Sweetspot

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



70.0024, 77.6959, 86.1714



92.1309, 98.5137, 107.9262



68.2341, 77.0904, 72.2577



19.5569, 21.0030, 23.0453



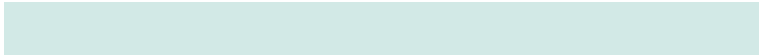
0.0000, 0.0000, 0.0000



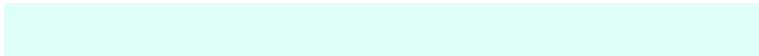
20.3446, 21.4041, 23.3091

Same Dimension

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



70.0024, 77.6959, 86.1714



84.0379, 94.3966, 105.0618



68.0969, 73.2040, 87.6352



15.4281, 17.0861, 18.9373



22.6550, 35.5165, 37.7441



1.8025, 2.7983, 3.0880

Inverse Universe

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



68.6639, 68.2230, 72.5038



82.0618, 80.4100, 84.8823



70.4238, 72.3472, 71.2268



15.1455, 15.0861, 16.0516



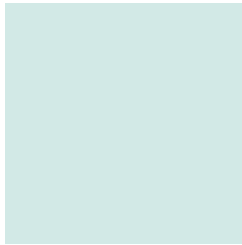
19.2289, 9.8943, 1.7409



1.5356, 0.7872, 0.2718

Previews

White Background



This preview shows how the XYZ color 70.0002, 77.6926, 86.1697 looks on a white background.

Color Contrast Check

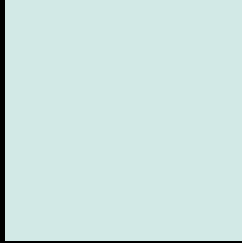
Large Text (above 18pt) WCAG AA × Fail

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 70.0002, 77.6926, 86.1697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

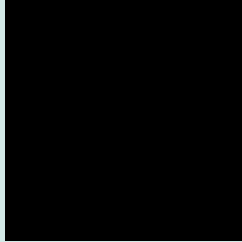
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

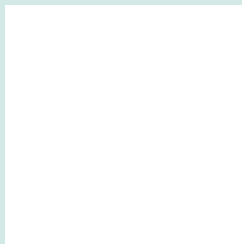
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.0002, 77.6926, 86.1697

Background



This preview shows how black text looks on a background with the XYZ color 70.0002, 77.6926, 86.1697.

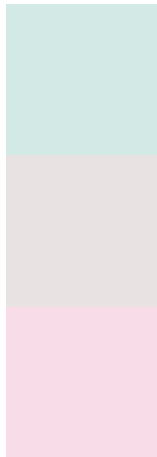


This preview shows how white text looks on a background with the XYZ color 70.0002, 77.6926,

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

70.0002, 77.6926, 86.1697

Protanopia

74.4753, 77.5850, 83.0016

Deuteranopia

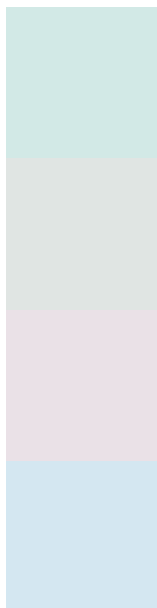
79.1333, 77.4956, 87.1313



Tritanopia

72.6807, 77.5171, 99.9385

Trichromacy



Original Color

70.0002, 77.6926, 86.1697

Protanomaly

72.6249, 77.4320, 83.7912

Deuteranomaly

75.2807, 77.1124, 86.5178

Tritanomaly

71.6045, 77.4998, 94.4041

Monochromacy



Original Color

70.0002, 77.6926, 86.1697

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.3996, 76.8003, 83.7338

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0002, 77.6926, 86.1697 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(210, 233, 230)` looks like.

```
.text, #text, p{  
    color:rgb(210, 233, 230)  
}
```

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(210, 233, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 233, 230) }
```

Border

The CSS property to change the border of an element to XYZ 70.0002, 77.6926, 86.1697 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(210, 233, 230) }
```


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

```
.border{ border-color:rgb(210, 233, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 233, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 233, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 233, 230);  
box-shadow:4px 4px 4px 4px rgb(210, 233,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0002, 77.6926, 86.1697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 233, 230) }
```

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

```
.background{ background-color: rgb(210,  
233, 230) }
```

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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