

Converting Colors

XYZ(69.5749, 77.0381, 86.8041)

Have a look what the booklet for
XYZ(69.5749, 77.0381, 86.8041)
contains.

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Color

**XYZ(69.5749, 77.0381,
86.8041)**

Conversions

Conversions Part 1

Format	Color
Hex	D1E8E7
RGB	209, 232, 231
RGB Percent	82%, 91%, 91%
CMY	0.1804, 0.0902, 0.0941
CMYK	0.10, 0.00, 0.00, 0.09
HSL	177°, 33%, 86%
HSV	177°, 10%, 91%
XYZ	69.5749, 77.0381, 86.8041
YIQ	225.0090, -13.3870, -5.1870

Conversions

Conversions Part 2

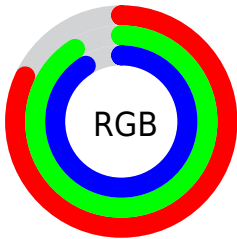
Format	Color
R _Y B	209, 221, 232
Decimal	13756647
CIE Lab	90.34, -7.74, -2.11
CIE LCh	90, 8.022, 195.214
Yxy	77.0381, 0.2981, 0.3300
Android (android.graphics.Color)	4291946727 (0xFFD1E8E7)
YUV	225.0090, 2.9536, -14.0399
Hunter-Lab	87.7714, -12.1059, 2.8033

Details

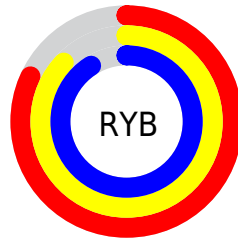
The XYZ color **69.5749, 77.0381, 86.8041** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.7148, 67.4119, 70.4192**, and the grayscale version is **71.5627, 75.2895, 81.9903**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.5896, 41.0158, 46.5458** is the 20% darker color. If you saturate the color by 10%, you get **63.3410, 73.8430, 85.7697**, and if you desaturate by 10%, it is **76.7700, 80.7328, 87.8910**.

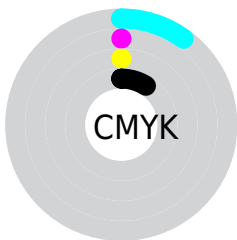
Distribution



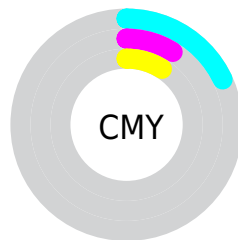
- Red (82%)
- Green (91%)
- Blue (91%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.5749, 77.0381, 86.8041 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 69.5749, 77.0381, 86.8041 by changing the saturation by 10% instead.

■ 69.5749, 77.0381,
86.8041

■ 69.5749, 77.0381,
86.8041

448.3457,
484.8939, 537.8784

■ 51.4584, 57.2841,
64.7744

117.6319,
129.1933, 144.7875

■ 36.7961, 41.2334,
46.8280

148.3031,
162.3633, 181.5783

■ 25.2226, 28.5015,
32.5463

183.8900,
200.7741, 224.1266

■ 16.3726, 18.7041,
21.5109

224.7577,
244.8101, 272.8508

■ 9.8807, 11.4566,
13.3031

271.2719,
294.8556, 328.1696

■ 5.3816, 6.3749,
7.5044

323.7977,

■ 2.5099, 3.0743,

351.2952, 390.5014

3.6963

382.7005,
414.5132, 460.2648

■ 0.9002, 1.1707,
1.4603

■ 0.0000, 0.0375,
0.1881

■ 69.5749, 77.0381,
86.8041

■ 69.5749, 77.0381,
86.8041

■ 63.3410, 73.8430,
85.7697

■ 76.7700, 80.7328,
87.8910

■ 58.0204, 71.1165,
84.7808

■ 84.8098, 84.8608,
89.0201

■ 53.5712, 68.8391,
83.8369

■ 84.9549, 84.9189,
89.7841

■ 49.9457, 66.9863,
82.9359

■ 85.1008, 84.9772,
90.5525

47.0915, 65.5310,
82.0753

85.2475, 85.0359,
91.3253

44.9502, 64.4431,
81.2523

85.3951, 85.0950,
92.1024

43.4550, 63.6882,
80.4639

85.5435, 85.1543,
92.8840

42.5269, 63.2256,
79.7062

85.6928, 85.2140,
93.6700

42.0308, 62.9855,
78.9730

85.8429, 85.2741,
94.4603

Harmonies

Analogous

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



69.5677, 77.0381, 81.1027



69.5749, 77.0381, 86.8041



70.5473, 77.0381, 91.9412

Triad

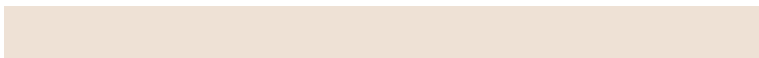
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.5749, 77.0381, 86.8041



75.9851, 77.0381, 91.8794



74.2080, 77.0381, 73.6795

Complementary

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



69.5749, 77.0381, 86.8041



67.7148, 67.4119, 70.4192

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.



75.9643, 77.0381, 76.3070



69.5749, 77.0381, 86.8041



77.0029, 77.0381, 86.7229

Square

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



69.5749, 77.0381, 86.8041



74.2359, 77.0381, 94.9609



76.9952, 77.0381, 81.0250



72.2181, 77.0381, 73.6991

Rectangle

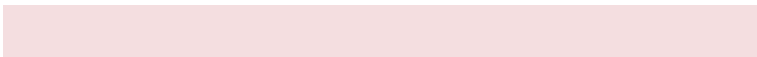
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.5749, 77.0381, 86.8041



71.6224, 77.0381, 94.2799



76.9952, 77.0381, 81.0250



74.8460, 77.0381, 74.2770

Sweetspot

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



69.5771, 77.0413, 86.8058



92.2376, 98.5564, 108.4881



66.9886, 76.0436, 71.4700



19.5858, 21.0146, 23.1976



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.



69.5771, 77.0413, 86.8058



84.4604, 94.5656, 107.2863



66.8906, 71.4408, 86.6117



14.7789, 16.3250, 18.3662



23.3433, 34.9694, 43.9037



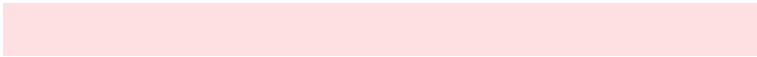
1.7335, 2.5875, 3.2890

Inverse Universe

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



67.7148, 67.4119, 70.4192



81.6944, 80.2630, 82.9476



70.2130, 72.6078, 70.6369



14.4024, 14.3781, 15.0532



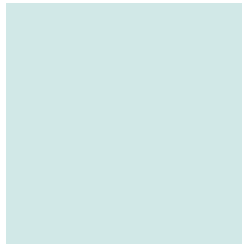
18.5177, 9.5413, 1.0893



1.3774, 0.7087, 0.1281

Previews

White Background



This preview shows how the XYZ color 69.5749, 77.0381, 86.8041 looks on a white background.

Color Contrast Check

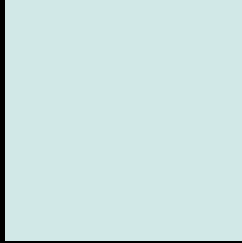
Large Text (above 18pt) WCAG AA × Fail

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 69.5749, 77.0381, 86.8041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

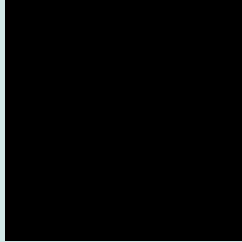
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

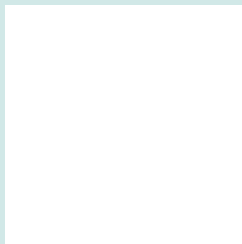
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.5749, 77.0381, 86.8041

Background



This preview shows how black text looks on a background with the XYZ color 69.5749, 77.0381, 86.8041.

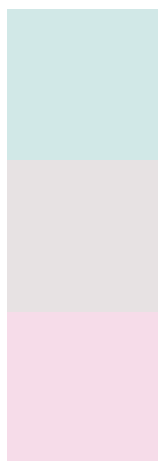


This preview shows how white text looks on a background with the XYZ color 69.5749, 77.0381,

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

69.5749, 77.0381, 86.8041

Protanopia

74.0165, 76.9277, 83.6205

Deuteranopia

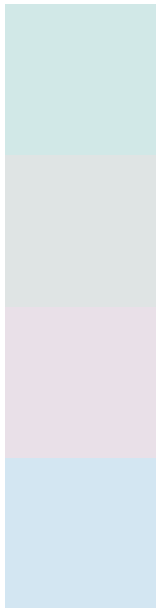
78.3072, 76.6624, 87.7609



Tritanopia

72.1140, 76.8130, 99.8325

Trichromacy



Original Color

69.5749, 77.0381, 86.8041

Protanomaly

72.1784, 76.7762, 84.4139

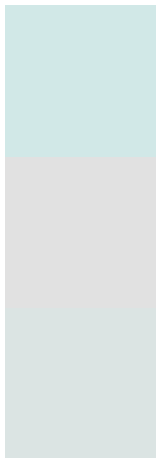
Deuteranomaly

74.8254, 76.4611, 87.1587

Tritanomaly

71.1878, 76.8533, 95.0866

Monochromacy



Original Color

69.5749, 77.0381, 86.8041

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

70.8219, 76.0929, 83.6277

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.5749, 77.0381, 86.8041 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(209, 232, 231)` looks like.

```
.text, #text, p{  
    color:rgb(209, 232, 231)  
}
```

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(209, 232, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 232, 231) }
```

Border

The CSS property to change the border of an element to XYZ 69.5749, 77.0381, 86.8041 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(209, 232, 231) }
```


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

```
.border{ border-color:rgb(209, 232, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 232, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 232, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 232, 231);  
box-shadow:4px 4px 4px 4px rgb(209, 232,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 69.5749, 77.0381, 86.8041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 232, 231) }
```

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

```
.background{ background-color: rgb(209,  
232, 231) }
```

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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