

Converting Colors

XYZ(69.8653, 77.3785, 88.0742)

Have a look what the booklet for
XYZ(69.8653, 77.3785, 88.0742)
contains.

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Color

**XYZ(70.1414, 77.7163,
88.3947)**

Conversions

Conversions Part 1

Format	Color
Hex	D1E9E9
RGB	209, 233, 233
RGB Percent	82%, 91%, 91%
CMY	0.1804, 0.0863, 0.0863
CMYK	0.10, 0.00, 0.00, 0.09
HSL	180°, 35%, 87%
HSV	180°, 10%, 91%
XYZ	70.1414, 77.7163, 88.3947
YIQ	225.8240, -14.3040, -5.0880

Conversions

Conversions Part 2

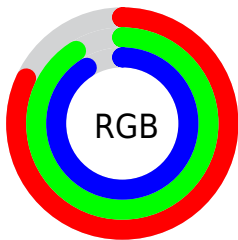
Format	Color
R _Y B	209, 221, 233
Decimal	13756905
CIE Lab	90.65, -7.86, -2.69
CIE LCh	91, 8.311, 198.918
Yxy	77.7163, 0.2969, 0.3290
Android (android.graphics.Color)	4291946985 (0xFFD1E9E9)
YUV	225.8240, 3.5378, -14.7546
Hunter-Lab	88.1568, -12.2522, 2.2598

Details

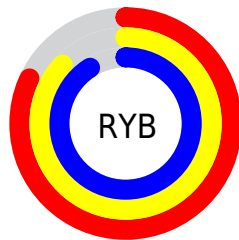
The XYZ color **70.1414, 77.7163, 88.3947** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.9162, 67.5302, 69.7802**, and the grayscale version is **72.1461, 75.9033, 82.6587**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.9844, 41.4886, 47.6538** is the 20% darker color. If you saturate the color by 10%, you get **64.0253, 74.5655, 88.1077**, and if you desaturate by 10%, it is **77.2260, 81.3706, 88.7303**.

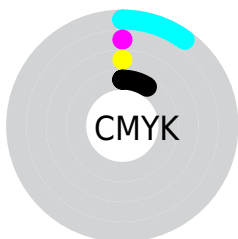
Distribution



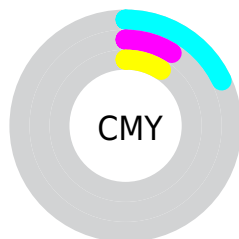
- Red (82%)
- Green (91%)
- Blue (91%)



- 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 70.1414, 77.7163, 88.3947 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 70.1414, 77.7163, 88.3947 by changing the saturation by 10% instead.

70.1414, 77.7163,
88.3947

70.1414, 77.7163,
88.3947

450.3050,
487.2028, 543.2297

51.9218, 57.8410,
66.0838

118.4355,
130.1501, 147.0225

37.1668, 41.6808,
47.8835

149.2408,
163.4774, 184.1765

25.5109, 28.8514,
33.3753

184.9721,
202.0574, 227.1153

16.5889, 18.9685,
22.1407

225.9946,
246.2746, 276.2573

10.0353, 11.6475,
13.7610

272.6738,
296.5133, 332.0213

5.4848, 6.5041,
7.8178

325.3751,

2.5721, 3.1540,

353.1580, 394.8256

3.8925

384.4637,
416.5930, 465.0889

■ 0.9317, 1.2126,
1.5665

■ 0.0000, 0.0720,
0.2668

■ 70.1414, 77.7163,
88.3947

■ 70.1414, 77.7163,
88.3947

■ 64.0253, 74.5655,
88.1077

■ 77.2260, 81.3706,
88.7303

■ 58.8295, 71.8870,
87.8621


■ 85.0895, 85.4243,
89.1008


■ 54.5114, 69.6610,
87.6575


■ 85.0899, 85.4245,
89.1032


■ 51.0226, 67.8625,
87.4918


■ 85.0904, 85.4247,
89.1057


 48.3099, 66.4641,
87.3624


 85.0909, 85.4249,
89.1081


 46.3141, 65.4353,
87.2666


 85.0913, 85.4251,
89.1106


 44.9674, 64.7411,
87.2011

 85.0918, 85.4252,
89.1130

 44.1890, 64.3399,
87.1623

 85.0923, 85.4254,
89.1155

 43.8444, 64.1623,
87.1438

 85.0927, 85.4256,
89.1180

Harmonies

Analogous

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



70.0046, 77.7163, 82.4334



70.1414, 77.7163, 88.3947



71.2653, 77.7163, 93.5668

Triad

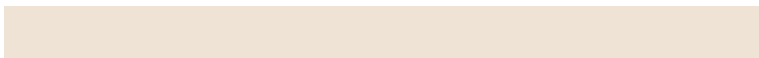
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.1414, 77.7163, 88.3947



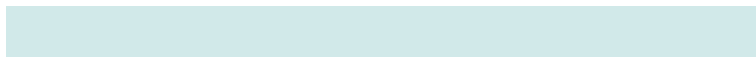
76.9283, 77.7163, 92.3862



74.6398, 77.7163, 73.8516

Complementary

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



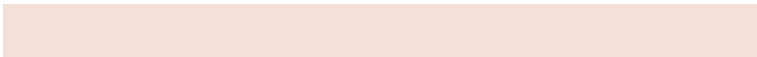
70.1414, 77.7163, 88.3947



67.9162, 67.5302, 69.7802

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.



76.5312, 77.7163, 76.2622



70.1414, 77.7163, 88.3947



77.8689, 77.7163, 86.8446

Square

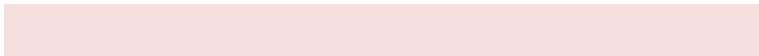
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.1414, 77.7163, 88.3947



75.1736, 77.7163, 95.9450



77.7223, 77.7163, 80.9540



72.5757, 77.7163, 74.2229

Rectangle

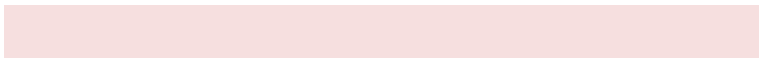
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.1414, 77.7163, 88.3947



72.4352, 77.7163, 95.7839



77.7223, 77.7163, 80.9540



75.3176, 77.7163, 74.3588

Sweetspot

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



70.1436, 77.7196, 88.3964



92.2912, 98.5778, 108.7700



67.0576, 76.4983, 71.5543



19.6003, 21.0204, 23.2740



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.



70.1436, 77.7196, 88.3964



84.6739, 94.6510, 108.4108



66.9669, 71.3654, 87.3399



15.5176, 17.1219, 19.4087



24.8771, 36.4053, 49.4451



1.9535, 2.8587, 3.8828

Inverse Universe

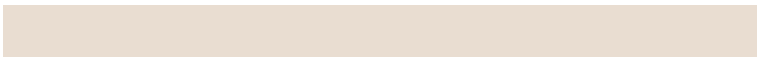
The Inverse Universe completely reimagines the original color for something new.



67.9162, 67.5302, 69.7802



81.5127, 80.1904, 81.9909



70.8667, 73.4318, 70.7616



15.0656, 15.0541, 15.6309



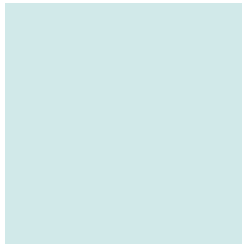
19.0679, 9.8299, 0.8931



1.4973, 0.7719, 0.0703

Previews

White Background



This preview shows how the XYZ color 70.1414, 77.7163, 88.3947 looks on a white background.

Color Contrast Check

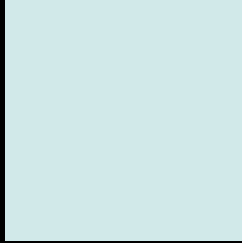
Large Text (above 18pt) WCAG AA × Fail

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 70.1414, 77.7163, 88.3947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

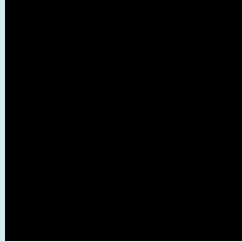
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

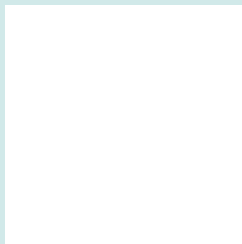
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.1414, 77.7163, 88.3947

Background



This preview shows how black text looks on a background with the XYZ color 70.1414, 77.7163, 88.3947.

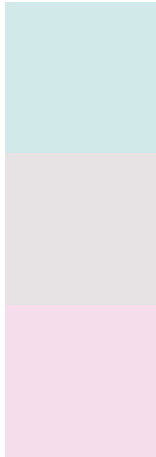


This preview shows how white text looks on a background with the XYZ color 70.1414, 77.7163,

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

70.1414, 77.7163, 88.3947

Protanopia

74.5669, 77.5842, 85.1739

Deuteranopia

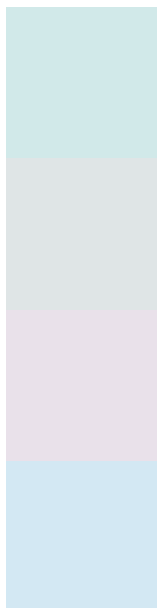
78.8579, 77.3039, 89.3621



Tritanopia

72.8262, 77.9884, 100.8375

Trichromacy



Original Color

70.1414, 77.7163, 88.3947

Protanomaly

72.7337, 77.4398, 85.9768

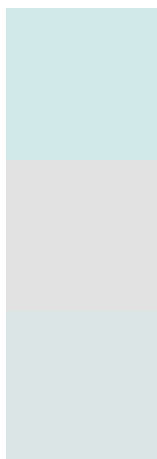
Deuteranomaly

75.3808, 77.1146, 88.7535

Tritanomaly

71.8982, 78.0332, 96.0665

Monochromacy



Original Color

70.1414, 77.7163, 88.3947

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.6774, 76.9114, 85.1963

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.1414, 77.7163, 88.3947 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, 233, 233)` looks like.

```
.text, #text, p{  
    color:rgb(209, 233, 233)  
}
```

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, 233, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 233, 233) }
```

Border

The CSS property to change the border of an element to XYZ 70.1414, 77.7163, 88.3947 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, 233, 233) }
```


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

```
.border{ border-color:rgb(209, 233, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 233, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 233, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 233, 233);  
box-shadow:4px 4px 4px 4px rgb(209, 233,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 70.1414, 77.7163, 88.3947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 233, 233) }
```

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

```
.background{ background-color: rgb(209,  
233, 233) }
```

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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