

Converting Colors

XYZ(70.2207, 77.8676, 84.4745)

Have a look what the booklet for
XYZ(70.2207, 77.8676, 84.4745)
contains.

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Color

**XYZ(70.2939, 77.8763,
84.7255)**

Conversions

Conversions Part 1

Format	Color
Hex	D4E9E4
RGB	212, 233, 228
RGB Percent	83%, 91%, 89%
CMY	0.1686, 0.0863, 0.1059
CMYK	0.09, 0.00, 0.02, 0.09
HSL	166°, 32%, 87%
HSV	166°, 9%, 91%
XYZ	70.2939, 77.8763, 84.7255
YIQ	226.1510, -10.9110, -6.0070

Conversions

Conversions Part 2

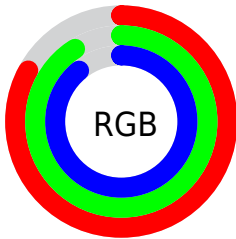
Format	Color
R _Y B	212, 224, 233
Decimal	13953508
CIE Lab	90.72, -7.85, 0.05
CIE LCh	91, 7.850, 179.638
Yxy	77.8763, 0.3018, 0.3344
Android (android.graphics.Color)	4292143588 (0xFFD4E9E4)
YUV	226.1510, 0.9116, -12.4104
Hunter-Lab	88.2475, -12.2484, 4.8496

Details

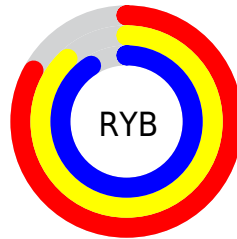
The XYZ color **70.2939, 77.8763, 84.7255** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.6750, 69.4225, 75.3770**, and the grayscale version is **72.3991, 76.1694, 82.9485**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.1696, 41.6295, 45.6114** is the 20% darker color. If you saturate the color by 10%, you get **63.2980, 74.3595, 80.4411**, and if you desaturate by 10%, it is **78.2883, 81.9092, 89.1890**.

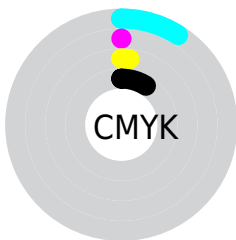
Distribution



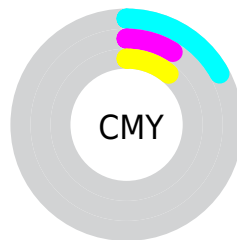
- Red (83%)
- Green (91%)
- Blue (89%)



- Red (83%)
- Yellow (88%)
- Blue (91%)



- Cyan (9%)
- Magenta (0%)
- Yellow (2%)
- Black (9%)



- Cyan (17%)
- Magenta (9%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.2939, 77.8763, 84.7255 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 70.2939, 77.8763, 84.7255 by changing the saturation by 10% instead.

70.2939, 77.8763,
84.7255

70.2939, 77.8763,
84.7255

450.8316,
487.7466, 530.8402

52.0466, 57.9724,
63.0657

118.6518,
130.3757, 141.8603

37.2667, 41.7864,
45.4531

149.4931,
163.7400, 178.1725

25.5886, 28.9341,
31.4689

185.2631,
202.3599, 220.2059

16.6472, 19.0310,
20.6947

226.3272,
246.6197, 268.3791

10.0770, 11.6927,
12.7120

273.0508,
296.9039, 323.1106

5.5127, 6.5348,
7.1021

325.7991,

2.5889, 3.1729,

353.5969, 384.8189

3.4466

384.9376,
417.0830, 453.9226

■ 0.9403, 1.2227,
1.3270

■ 0.0000, 0.0801,
0.0837

■ 70.2939, 77.8763,
84.7255

■ 70.2939, 77.8763,
84.7255

■ 63.2980, 74.3595,
80.4411

■ 78.2883, 81.9092,
89.1890

■ 57.2523, 71.3277,
76.3276

■ 85.9756, 85.7788,
93.7669

■ 52.1146, 68.7611,
72.3833

■ 86.8090, 86.1122,
98.1555

■ 47.8368, 66.6350,
68.6048

■ 87.6678, 86.4557,
102.6780

■ 44.3660, 64.9222,
64.9883

■ 88.4304, 86.7607,
106.6935

■ 41.6438, 63.5925,
61.5300

■ 39.6033, 62.6116,
58.2252

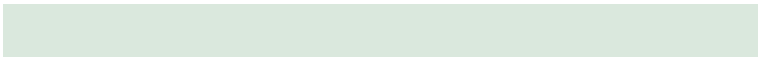
■ 38.1655, 61.9388,
55.0691

■ 37.2095, 61.5117,
52.0547

Harmonies

Analogous

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



70.7972, 77.8763, 79.4257



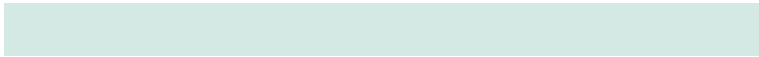
70.2939, 77.8763, 84.7255



70.7739, 77.8763, 90.2751

Triad

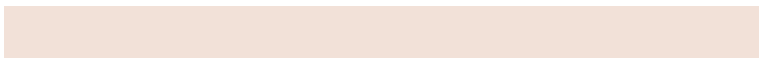
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.2939, 77.8763, 84.7255



75.9090, 77.8763, 94.5813



75.9511, 77.8763, 75.7700

Complementary

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



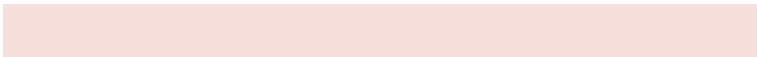
70.2939, 77.8763, 84.7255



69.6750, 69.4225, 75.3770

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.



77.3619, 77.8763, 79.5395



70.2939, 77.8763, 84.7255



77.3373, 77.8763, 90.3990

Square

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



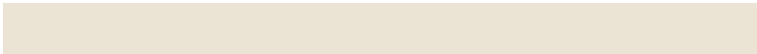
70.2939, 77.8763, 84.7255



73.9951, 77.8763, 96.1165



77.8736, 77.8763, 84.8626



74.0430, 77.8763, 74.3977

Rectangle

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



70.2939, 77.8763, 84.7255



71.5919, 77.8763, 93.3355



77.8736, 77.8763, 84.8626



76.5005, 77.8763, 76.7903

Sweetspot

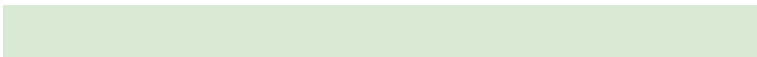
The Sweet Spot groups the original color and five complimentary colors.



70.2961, 77.8796, 84.7272



91.9993, 98.4610, 107.2329



69.7147, 77.8248, 73.6360



19.5212, 20.9888, 22.8576



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.



70.2961, 77.8796, 84.7272



84.4154, 94.6398, 102.8838



69.5365, 75.2325, 87.9510



15.3553, 17.0569, 18.5539



21.1156, 34.9007, 29.6377



1.6950, 2.7553, 2.5214

Inverse Universe

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



69.6750, 69.4225, 75.3770



83.4939, 82.0902, 89.0096



70.3679, 71.8342, 72.4452



15.2125, 15.1129, 16.4045



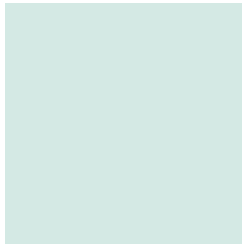
19.5062, 10.0052, 3.2012



1.5684, 0.8003, 0.4444

Previews

White Background



This preview shows how the XYZ color 70.2939, 77.8763, 84.7255 looks on a white background.

Color Contrast Check

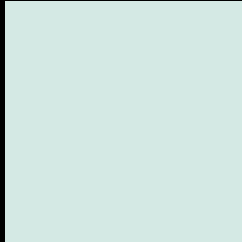
Large Text (above 18pt) WCAG AA × Fail

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 70.2939, 77.8763, 84.7255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

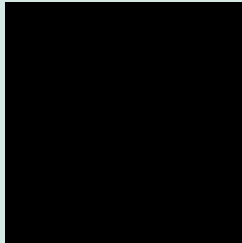
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

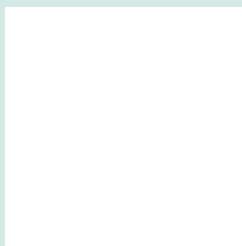
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.2939, 77.8763, 84.7255

Background



This preview shows how black text looks on a background with the XYZ color 70.2939, 77.8763, 84.7255.



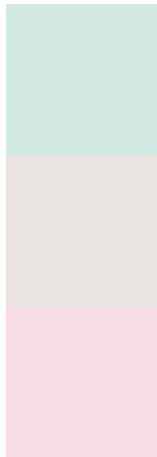
This preview shows how white text looks on a background with the XYZ color 70.2939, 77.8763,

84.7255.

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

70.2939, 77.8763, 84.7255

Protanopia

74.6640, 77.6981, 82.2962

Deuteranopia

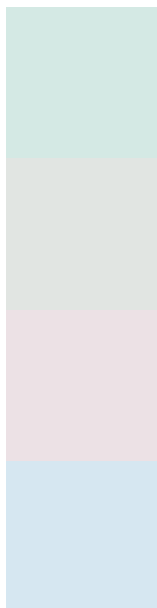
79.2063, 77.5658, 85.6600



Tritanopia

73.2644, 77.8180, 99.9659

Trichromacy



Original Color

70.2939, 77.8763, 84.7255

Protanomaly

72.7981, 77.5372, 83.0808

Deuteranomaly

75.6601, 77.3404, 85.0692

Tritanomaly

72.1847, 77.7988, 94.4312

Monochromacy



Original Color

70.2939, 77.8763, 84.7255

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.7032, 76.9568, 83.7480

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2939, 77.8763, 84.7255 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(212, 233, 228)` looks like.

```
.text, #text, p{  
    color:rgb(212, 233, 228)  
}
```

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(212, 233, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 233, 228) }
```

Border

The CSS property to change the border of an element to XYZ 70.2939, 77.8763, 84.7255 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(212, 233, 228) }
```


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

```
.border{ border-color:rgb(212, 233, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 233, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 233, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 233, 228);  
box-shadow:4px 4px 4px 4px rgb(212, 233,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2939, 77.8763, 84.7255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 233, 228) }
```

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

```
.background{ background-color: rgb(212,  
233, 228) }
```

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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