

Converting Colors

XYZ(69.1244, 72.5595, 89.4299)

Have a look what the booklet for
XYZ(69.1244, 72.5595, 89.4299)
contains.

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Color

**XYZ(69.2859, 72.7458,
89.7465)**

Conversions

Conversions Part 1

Format	Color
Hex	D7DEEC
RGB	215, 222, 236
RGB Percent	84%, 87%, 93%
CMY	0.1569, 0.1294, 0.0745
CMYK	0.09, 0.06, 0.00, 0.07
HSL	220°, 36%, 88%
HSV	220°, 9%, 93%
XYZ	69.2859, 72.7458, 89.7465
YIQ	221.5030, -8.6660, 2.8700

Conversions

Conversions Part 2

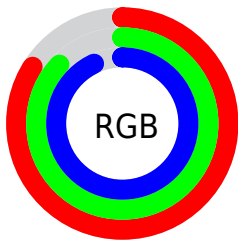
Format	Color
R _Y B	215, 220, 236
Decimal	14147308
CIE Lab	88.33, 0.31, -7.65
CIE LCh	88, 7.654, 272.323
Yxy	72.7458, 0.2989, 0.3139
Android (android.graphics.Color)	4292337388 (0xFFD7DEEC)
YUV	221.5030, 7.1470, -5.7031
Hunter-Lab	85.2911, -4.2558, -2.6833

Details

The XYZ color **69.2859, 72.7458, 89.7465** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.8773, 78.7770, 75.5501**, and the grayscale version is **69.0382, 72.6336, 79.0980**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.5541, 38.4063, 48.6666** is the 20% darker color. If you saturate the color by 10%, you get **58.8653, 61.4602, 88.1185**, and if you desaturate by 10%, it is **81.1002, 85.3324, 91.5544**.

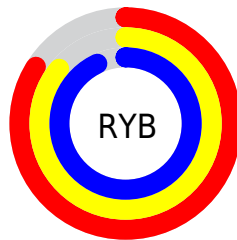
Distribution



Red (84%)

Green (87%)

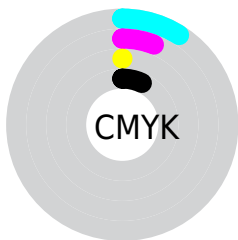
Blue (93%)



Red (84%)

Yellow (86%)

Blue (93%)

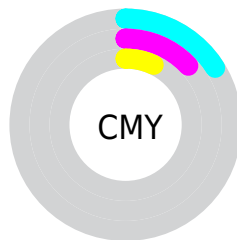


Cyan (9%)

Magenta (6%)

Yellow (0%)

Black (7%)



Cyan (16%)

Magenta (13%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.2859, 72.7458, 89.7465 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 69.2859, 72.7458, 89.7465 by changing the saturation by 10% instead.

■ 69.2859, 72.7458,
89.7465

■ 69.2859, 72.7458,
89.7465

447.3443,
470.1333, 547.7547

■ 51.2221, 53.7681,
67.1979

117.2217,
123.1163, 148.9187

■ 36.6071, 38.4163,
48.7829

147.8243,
155.2779, 186.3793

■ 25.0757, 26.3060,
34.0829

183.3373,
192.6029, 229.6477

■ 16.2625, 17.0527,
22.6794

224.1259,
235.4757, 279.1423

■ 9.8021, 10.2721,
14.1539

270.5556,
284.2808, 335.2818

■ 5.3292, 5.5797,
8.0878

322.9916,

■ 2.4784, 2.5912,

339.4025, 398.4847

4.0626

381.7994,
401.2252, 469.1695

■ 0.8844, 0.9223,
1.6598

■ 0.0000, 0.0000,
0.3329

■ 69.2859, 72.7458,
89.7465

■ 69.2859, 72.7458,
89.7465

■ 58.8653, 61.4602,
88.1185

■ 81.1002, 85.3324,
91.5544

■ 49.7788, 51.4233,
86.6601

■ 91.6525, 97.8601,
93.4163

■ 41.9717, 42.5924,
85.3671

■ 92.1405, 98.8362,
93.5790

■ 35.3831, 34.9188,
84.2332

■ 29.9467, 28.3503,
83.2518

■ 25.5895, 22.8301,
82.4160

■ 22.2292, 18.2954,
81.7178

■ 19.7701, 14.6753,
81.1487

■ 18.0741, 11.8750,
80.6975

Harmonies

Analogous

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



67.5157, 72.7458, 88.5039



69.2859, 72.7458, 89.7465



71.0477, 72.7458, 88.0633

Triad

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



69.2859, 72.7458, 89.7465



72.1693, 72.7458, 73.9234



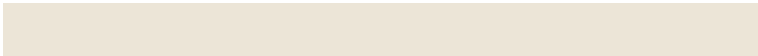
66.0630, 72.7458, 74.6034

Complementary

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



69.2859, 72.7458, 89.7465



74.8773, 78.7770, 75.5501

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.



67.2721, 72.7458, 70.9668



69.2859, 72.7458, 89.7465



70.7956, 72.7458, 70.5866

Square

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



69.2859, 72.7458, 89.7465



72.7307, 72.7458, 78.7987



68.9997, 72.7458, 69.5282



65.6747, 72.7458, 79.6183

Rectangle

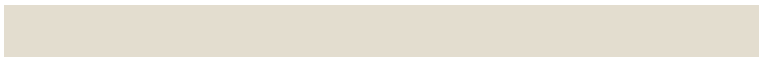
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.2859, 72.7458, 89.7465



71.9749, 72.7458, 85.5501



68.9997, 72.7458, 69.5282



66.3858, 72.7458, 73.1870

Sweetspot

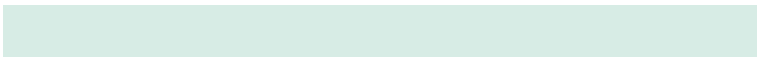
The Sweet Spot groups the original color and five complimentary colors.



69.2880, 72.7489, 89.7481



90.6863, 95.3677, 108.2359



72.1150, 80.0768, 85.5294



19.1665, 20.1528, 23.1296



0.0000, 0.0000, 0.0000



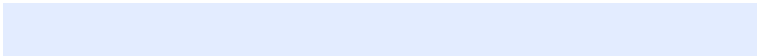
20.3446, 21.4041, 23.3091

Same Dimension

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



69.2880, 72.7489, 89.7481



79.7961, 83.7093, 106.5596



68.4002, 69.5868, 89.1846



14.6416, 15.3697, 19.1172



9.9815, 6.6100, 44.4927



0.8694, 0.6902, 3.5223

Inverse Universe

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



72.0790, 71.7091, 79.1532



83.8801, 82.2447, 91.0431



75.8177, 82.1968, 76.1607



15.2727, 15.1369, 16.7212



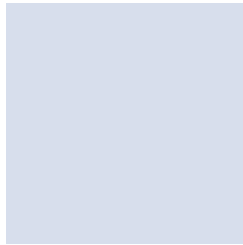
19.8935, 10.1601, 5.2405



1.6053, 0.8151, 0.6390

Previews

White Background



This preview shows how the XYZ color 69.2859, 72.7458, 89.7465 looks on a white background.

Color Contrast Check

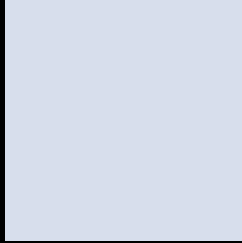
Large Text (above 18pt) WCAG AA × Fail

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 69.2859, 72.7458, 89.7465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

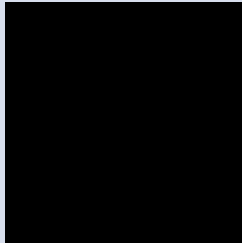
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.2859, 72.7458, 89.7465

Background



This preview shows how black text looks on a background with the XYZ color 69.2859, 72.7458, 89.7465.

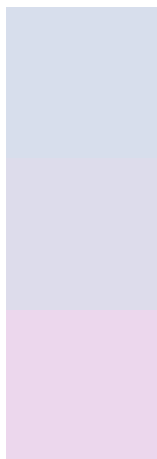


This preview shows how white text looks on a background with the XYZ color 69.2859, 72.7458,

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

69.2859, 72.7458, 89.7465

Protanopia

70.4074, 72.5567, 88.8912

Deuteranopia

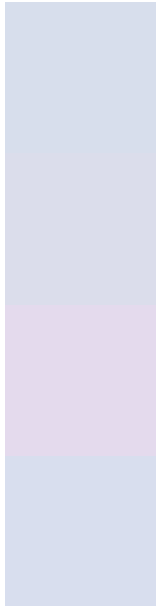
74.1786, 72.5482, 90.2143



Tritanopia

70.0202, 73.0735, 92.0755

Trichromacy



Original Color

69.2859, 72.7458, 89.7465

Protanomaly

70.0653, 72.7711, 88.9507

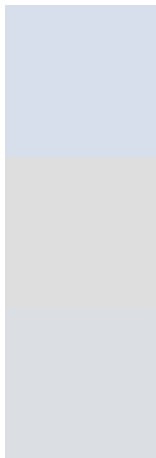
Deuteranomaly

72.3524, 72.7512, 90.3498

Tritanomaly

69.8728, 73.0145, 91.2994

Monochromacy



Original Color

69.2859, 72.7458, 89.7465

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

69.1998, 72.8487, 83.0870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.2859, 72.7458, 89.7465 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(215, 222, 236) looks like.

```
.text, #text, p{  
    color:rgb(215, 222, 236)  
}
```

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(215, 222, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 222, 236) }
```

Border

The CSS property to change the border of an element to XYZ 69.2859, 72.7458, 89.7465 is called "border". The border property can be set on classes, ids or directly on the HTML element.

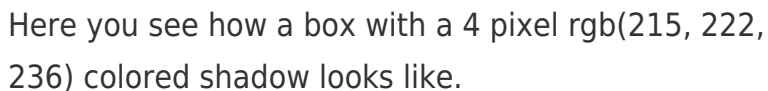
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(215, 222, 236) }
```


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

```
.border{ border-color:rgb(215, 222, 236) }
```

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



Here you see how a box with a 4 pixel `rgb(215, 222, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 222, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 222, 236); box-shadow:4px 4px 4px 4px rgb(215, 222, 236) }
```

Background

The CSS property to change the background color of an element to XYZ 69.2859, 72.7458, 89.7465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 222, 236) }
```

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

```
.background{ background-color: rgb(215,  
222, 236) }
```

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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