

Converting Colors

XYZ(67.9850, 71.7790, 77.6594)

Have a look what the booklet for
XYZ(67.9850, 71.7790, 77.6594)
contains.

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Color

**XYZ(68.2899, 72.0959,
78.0268)**

Conversions

Conversions Part 1

Format	Color
Hex	DCDDDC
RGB	220, 221, 220
RGB Percent	86%, 87%, 86%
CMY	0.1372, 0.1333, 0.1372
CMYK	0.00, 0.00, 0.00, 0.13
HSL	120°, 1%, 86%
HSV	120°, 0%, 87%
XYZ	68.2899, 72.0959, 78.0268
YIQ	220.5870, -0.2750, -0.5230

Conversions

Conversions Part 2

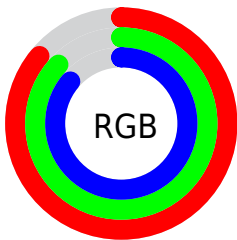
Format	Color
R _Y B	220, 221, 221
Decimal	14474716
CIE Lab	88.01, -0.51, 0.36
CIE LCh	88, 0.628, 144.866
Yxy	72.0959, 0.3127, 0.3301
Android (android.graphics.Color)	4292664796 (0xFFDCDDDC)
YUV	220.5870, -0.2894, -0.5148
Hunter-Lab	84.9093, -5.0293, 4.9524

Details

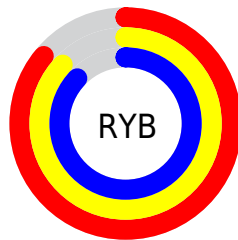
The XYZ color **68.2899, 72.0959, 78.0268** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.4658, 71.7808, 78.6567**, and the grayscale version is **68.4416, 72.0059, 78.4144**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.9448, 37.9884, 41.0353** is the 20% darker color. If you saturate the color by 10%, you get **59.3029, 67.7810, 63.3281**, and if you desaturate by 10%, it is **78.5521, 77.0275, 94.8068**.

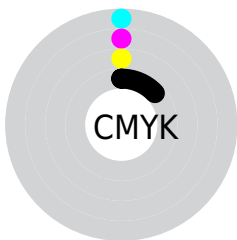
Distribution



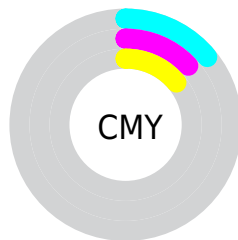
- Red (86%)
- Green (87%)
- Blue (86%)



- Red (86%)
- Yellow (87%)
- Blue (87%)



- Cyan (0%)
- Magenta (0%)
- Yellow (0%)
- Black (13%)



- Cyan (14%)
- Magenta (13%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.2899, 72.0959, 78.0268 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 68.2899, 72.0959, 78.0268 by changing the saturation by 10% instead.

■ 68.2899, 72.0959,
78.0268

■ 68.2899, 72.0959,
78.0268

443.8831,
467.8753, 507.7882

■ 50.4082, 53.2370,
57.5794

115.8064,
122.1929, 132.3741

■ 35.9569, 37.9920,
41.0582

146.1719,
154.1997, 167.1111

■ 24.5709, 25.9765,
28.0445

181.4293,
191.3581, 207.4484

■ 15.8847, 16.8061,
18.1199

221.9440,
234.0522, 253.8046

■ 9.5329, 10.0963,
10.8657

268.0814,
282.6667, 306.5981

■ 5.1503, 5.4629,
5.8636

320.2068,

■ 2.3714, 2.5213,

337.5857, 366.2475

2.6949

378.6856,
399.1938, 433.1713

■ 0.8308, 0.8873,
0.9408

■ 0.0000, 0.0000,
0.0000

■ 68.2899, 72.0959,
78.0268

■ 68.2899, 72.0959,
78.0268

■ 59.3029, 67.7810,
63.3281

■ 78.5521, 77.0275,
94.8068

■ 51.5354, 64.0499,
50.6250

■ 85.1479, 80.1958,
105.5993

■ 44.9368, 60.8802,
39.8331

■ 39.4505, 58.2448,
30.8598

■ 35.0153, 56.1144,
23.6051

■ 31.5640, 54.4566,
17.9593

■ 29.0219, 53.2355,
13.8000

■ 27.3032, 52.4099,
10.9872

■ 26.3061, 51.9310,
9.3546

Harmonies

Analogous

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



68.4040, 72.0959, 77.7547



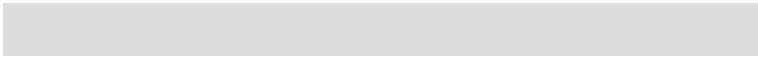
68.2899, 72.0959, 78.0268



68.2388, 72.0959, 78.4264

Triad

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



68.2899, 72.0959, 78.0268



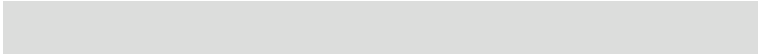
68.4992, 72.0959, 79.3240



68.7864, 72.0959, 78.1541

Complementary

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



68.2899, 72.0959, 78.0268



68.4658, 71.7808, 78.6567

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.



68.8120, 72.0959, 78.5740



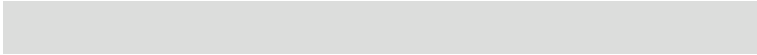
68.2899, 72.0959, 78.0268



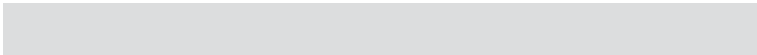
68.6461, 72.0959, 79.2504

Square

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



68.2899, 72.0959, 78.0268



68.3595, 72.0959, 79.1762



68.7606, 72.0959, 78.9755



68.6907, 72.0959, 77.8281

Rectangle

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



68.2899, 72.0959, 78.0268



68.2472, 72.0959, 78.7118



68.7606, 72.0959, 78.9755



68.8035, 72.0959, 78.2889

Sweetspot

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



68.2919, 72.0990, 78.0284

95.0500, 100.0000, 108.9000



68.5968, 72.2561, 78.0424



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

Same Dimension

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



68.2919, 72.0990, 78.0284



93.7103, 99.3565, 106.7091



68.3585, 72.1256, 78.3789



14.5265, 15.3940, 16.5481



15.0207, 30.0409, 5.0084



0.9732, 1.9462, 0.3248

Inverse Universe

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



68.4658, 71.7808, 78.6567



94.2418, 98.3837, 108.6299



68.3990, 71.7541, 78.3051



14.6035, 15.2530, 16.8265



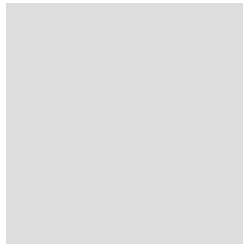
24.8983, 11.9603, 40.7058



1.6131, 0.7749, 2.6374

Previews

White Background



This preview shows how the XYZ color 68.2899, 72.0959, 78.0268 looks on a white background.

Color Contrast Check

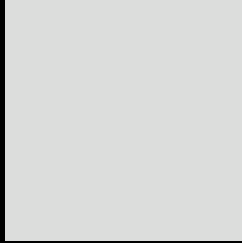
Large Text (above 18pt) WCAG AA × Fail

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 68.2899, 72.0959, 78.0268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

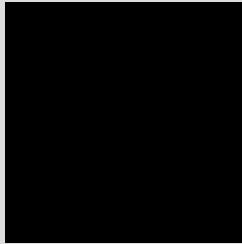
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

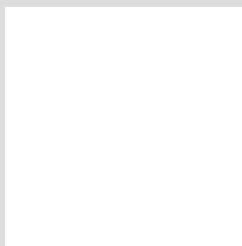
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.2899, 72.0959, 78.0268

Background



This preview shows how black text looks on a background with the XYZ color 68.2899, 72.0959, 78.0268.

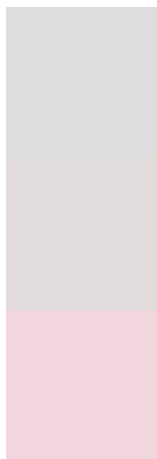


This preview shows how white text looks on a background with the XYZ color 68.2899, 72.0959,

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

68.2899, 72.0959, 78.0268

Protanopia

69.4307, 72.3084, 77.3154

Deuteranopia

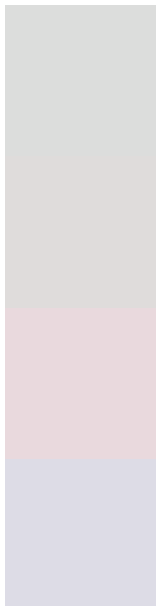
73.3733, 72.0144, 78.4396



Tritanopia

70.5960, 72.2488, 89.5815

Trichromacy



Original Color

68.2899, 72.0959, 78.0268

Protanomaly

68.8108, 71.9888, 77.2864

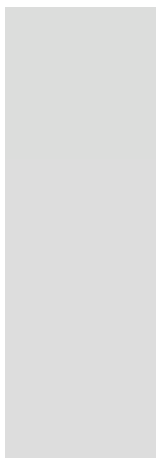
Deuteranomaly

71.4683, 72.1698, 78.5700

Tritanomaly

69.6949, 72.2717, 85.1394

Monochromacy



Original Color

68.2899, 72.0959, 78.0268

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.7264, 72.3055, 78.7407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2899, 72.0959, 78.0268 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(220, 221, 220) looks like.

```
.text, #text, p{  
    color:rgb(220, 221, 220)  
}
```

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(220, 221, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 221, 220) }
```

Border

The CSS property to change the border of an element to XYZ 68.2899, 72.0959, 78.0268 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(220, 221, 220) }
```

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

```
.border{ border-color:rgb(220, 221, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 221, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 221, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 221, 220);  
box-shadow:4px 4px 4px 4px rgb(220, 221,  
220) }
```


Background

The CSS property to change the background color of an element to XYZ 68.2899, 72.0959, 78.0268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 221, 220) }
```

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

```
.background{ background-color: rgb(220,  
221, 220) }
```

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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