

Converting Colors

XYZ(68.6568, 72.3680, 92.5544)

Have a look what the booklet for
XYZ(68.6568, 72.3680, 92.5544)
contains.

XYZ(68.7134, 72.3827, 92.7877)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(68.7134, 72.3827,
92.7877)**

Conversions

Conversions Part 1

Format	Color
Hex	D3DEF0
RGB	211, 222, 240
RGB Percent	83%, 87%, 94%
CMY	0.1725, 0.1294, 0.0588
CMYK	0.12, 0.07, 0.00, 0.06
HSL	217°, 49%, 88%
HSV	217°, 12%, 94%
XYZ	68.7134, 72.3827, 92.7877
YIQ	220.7630, -12.3340, 3.2660

Conversions

Conversions Part 2

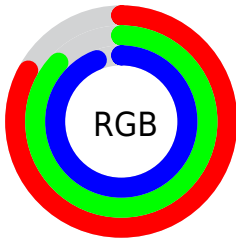
Format	Color
R _Y B	211, 219, 240
Decimal	13885168
CIE Lab	88.15, -0.18, -10.04
CIE LCh	88, 10.044, 268.955
Yxy	72.3827, 0.2938, 0.3095
Android (android.graphics.Color)	4292075248 (0xFFD3DEF0)
YUV	220.7630, 9.4838, -8.5622
Hunter-Lab	85.0780, -4.7207, -5.1082

Details

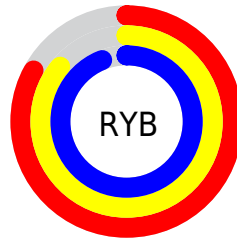
The XYZ color **68.7134, 72.3827, 92.7877** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.7127, 79.2666, 72.9389**, and the grayscale version is **68.5046, 72.0722, 78.4866**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.1807, 38.1660, 50.8073** is the 20% darker color. If you saturate the color by 10%, you get **58.5621, 61.5358, 91.2302**, and if you desaturate by 10%, it is **80.2450, 84.4638, 94.5129**.

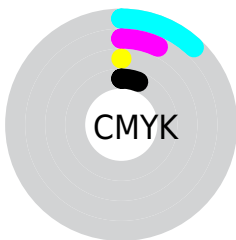
Distribution



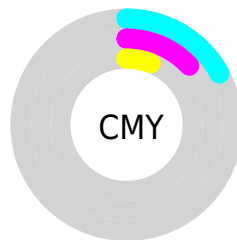
- Red (83%)
- Green (87%)
- Blue (94%)



- Red (83%)
- Yellow (86%)
- Blue (94%)



- Cyan (12%)
- Magenta (7%)
- Yellow (0%)
- Black (6%)



- Cyan (17%)
- Magenta (13%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.7134, 72.3827, 92.7877 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 68.7134, 72.3827, 92.7877 by changing the saturation by 10% instead.

■ 68.7134, 72.3827,
92.7877

■ 68.7134, 72.3827,
92.7877

445.3567,
468.8725, 557.8604

■ 50.7541, 53.4714,
69.7084

116.4084,
122.6005, 153.1738

■ 36.2332, 38.1792,
50.8135

146.8749,
154.6757, 191.3177

■ 24.7853, 26.1218,
35.6845

182.2412,
191.9077, 235.3202

■ 16.0451, 16.9148,
23.9029

222.8726,
234.6808, 285.5998

■ 9.6471, 10.1737,
15.0500

269.1345,
283.3794, 342.5751

■ 5.2261, 5.5143,
8.7075

321.3922,

■ 2.4166, 2.5521,

338.3880, 406.6646

4.4567

380.0112,
400.0909, 478.2868

■ 0.8534, 0.9026,
1.8791

■ 0.0000, 0.0000,
0.4794

■ 68.7134, 72.3827,
92.7877

■ 68.7134, 72.3827,
92.7877

■ 58.5621, 61.5358,
91.2302

■ 80.2450, 84.4638,
94.5129

■ 49.7303, 51.8726,
89.8305

■ 91.7138, 97.0423,
96.3364

■ 42.1621, 43.3524,
88.5848

■ 92.7284, 99.0714,
96.6745

■ 35.7948, 35.9283,
87.4874

■ 30.5600, 29.5497,
86.5321

■ 26.3816, 24.1615,
85.7123

■ 23.1733, 19.7022,
85.0207

■ 20.8325, 16.1010,
84.4490

■ 19.4747, 13.7839,
84.0733

Harmonies

Analogous

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



66.4436, 72.3827, 90.6941



68.7134, 72.3827, 92.7877



71.0573, 72.3827, 90.9592

Triad

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



68.7134, 72.3827, 92.7877



72.9175, 72.3827, 72.5821



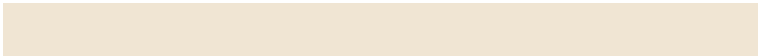
64.9168, 72.3827, 72.1874

Complementary

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



68.7134, 72.3827, 92.7877



75.7127, 79.2666, 72.9389

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.



66.5863, 72.3827, 67.7983



68.7134, 72.3827, 92.7877



71.2065, 72.3827, 68.0167

Square

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



68.7134, 72.3827, 92.7877



73.5184, 72.3827, 79.0539



68.8818, 72.3827, 66.3160



64.2833, 72.3827, 78.5715

Rectangle

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



68.7134, 72.3827, 92.7877



72.3392, 72.3827, 87.8190



68.8818, 72.3827, 66.3160



65.3735, 72.3827, 70.4437

Sweetspot

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



68.7155, 72.3857, 92.7893



89.4102, 94.1441, 108.0669



72.1519, 81.8209, 86.0348



18.9167, 19.9206, 23.0980



0.0000, 0.0000, 0.0000



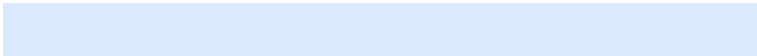
20.3446, 21.4041, 23.3091

Same Dimension

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



68.7155, 72.3857, 92.7893



76.4489, 80.5169, 106.1198



66.8673, 67.2351, 91.8926



15.3888, 16.2117, 20.0397



10.7789, 7.7820, 46.0618



0.9897, 0.8334, 3.8629

Inverse Universe

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



72.4159, 70.3893, 78.8805



81.3357, 77.9541, 87.7347



77.7163, 84.9631, 73.9328



16.0209, 15.8581, 17.6664



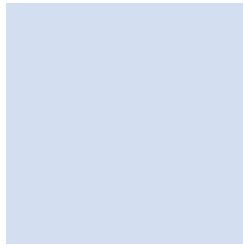
20.7663, 10.5789, 6.6859



1.7745, 0.8988, 0.8034

Previews

White Background



This preview shows how the XYZ color 68.7134, 72.3827, 92.7877 looks on a white background.

Color Contrast Check

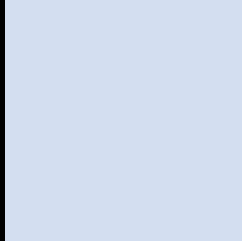
Large Text (above 18pt) WCAG AA × Fail

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 68.7134, 72.3827, 92.7877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

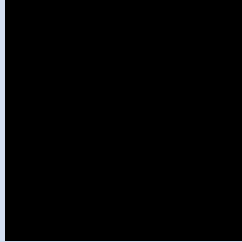
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

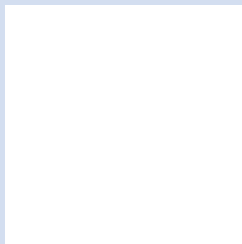
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.7134, 72.3827, 92.7877

Background



This preview shows how black text looks on a background with the XYZ color 68.7134, 72.3827, 92.7877.

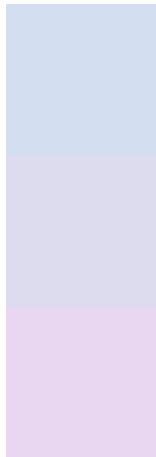


This preview shows how white text looks on a background with the XYZ color 68.7134, 72.3827,

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

68.7134, 72.3827, 92.7877

Protanopia

70.5410, 72.5751, 91.1794

Deuteranopia

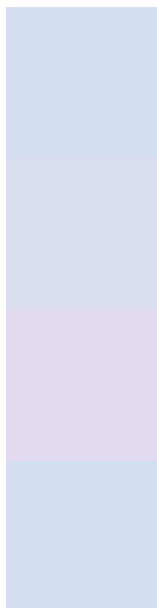
73.7819, 72.2754, 93.2809



Tritanopia

68.7134, 72.3827, 92.7877

Trichromacy



Original Color

68.7134, 72.3827, 92.7877

Protanomaly

70.0517, 72.6966, 92.0011

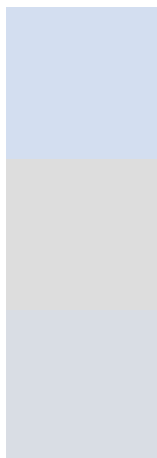
Deuteranomaly

71.9999, 72.5012, 93.4184

Tritanomaly

68.7134, 72.3827, 92.7877

Monochromacy



Original Color

68.7134, 72.3827, 92.7877

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.4753, 72.0661, 83.6999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7134, 72.3827, 92.7877 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(211, 222, 240) looks like.

```
.text, #text, p{  
    color:rgb(211, 222, 240)  
}
```

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(211, 222, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 222, 240) }
```

Border

The CSS property to change the border of an element to XYZ 68.7134, 72.3827, 92.7877 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(211, 222, 240) }
```


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

```
.border{ border-color:rgb(211, 222, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 222, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 222, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 222, 240);  
box-shadow:4px 4px 4px 4px rgb(211, 222,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7134, 72.3827, 92.7877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 222, 240) }
```

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

```
.background{ background-color: rgb(211,  
222, 240) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor