

Converting Colors

XYZ(64.9231, 72.0221, 74.7698)

Have a look what the booklet for
XYZ(64.9231, 72.0221, 74.7698)
contains.

XYZ(64.9231, 72.0221, 74.7698)	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(64.9231, 72.0221,
74.7698)**

Conversions

Conversions Part 1

Format	Color
Hex	CFE1D7
RGB	207, 225, 215
RGB Percent	81%, 88%, 84%
CMY	0.1882, 0.1176, 0.1569
CMYK	0.08, 0.00, 0.04, 0.12
HSL	147°, 23%, 85%
HSV	147°, 8%, 88%
XYZ	64.9231, 72.0221, 74.7698
YIQ	218.4780, -7.5180, -6.9260

Conversions

Conversions Part 2

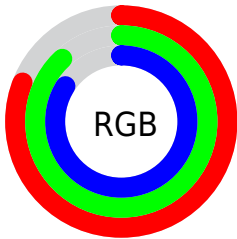
Format	Color
R _Y B	207, 219, 225
Decimal	13623767
CIE Lab	87.98, -7.84, 2.83
CIE LCh	88, 8.338, 160.189
Yxy	72.0221, 0.3067, 0.3402
Android (android.graphics.Color)	4291813847 (0xFFCFE1D7)
YUV	218.4780, -1.7147, -10.0662
Hunter-Lab	84.8658, -11.9612, 7.1695

Details

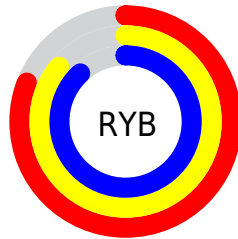
The XYZ color **64.9231, 72.0221, 74.7698** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.8912, 65.6449, 74.8470**, and the grayscale version is **66.9874, 70.4760, 76.7484**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.8568, 38.0598, 38.8195** is the 20% darker color. If you saturate the color by 10%, you get **57.5339, 68.3935, 66.3565**, and if you desaturate by 10%, it is **73.3350, 76.1678, 83.8749**.

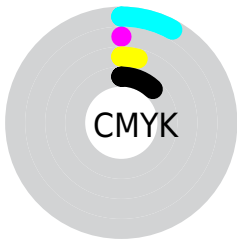
Distribution



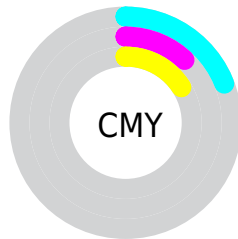
- Red (81%)
- Green (88%)
- Blue (84%)



- Red (81%)
- Yellow (86%)
- Blue (88%)



- Cyan (8%)
- Magenta (0%)
- Yellow (4%)
- Black (12%)



- Cyan (19%)
- Magenta (12%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.9231, 72.0221, 74.7698 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 64.9231, 72.0221, 74.7698 by changing the saturation by 10% instead.

■ 64.9231, 72.0221,
74.7698

■ 64.9231, 72.0221,
74.7698

432.0652,
467.6185, 496.3603

■ 47.6632, 53.1767,
54.9237

111.0056,
122.0879, 127.7305

■ 33.7704, 37.9439,
38.9425

140.5589,
154.0772, 161.6823

■ 22.8793, 25.9391,
26.4075

174.9408,
191.2166, 201.1730

■ 14.6246, 16.7781,
16.9002

214.5165,
233.8904, 246.6213

■ 8.6410, 10.0764,
10.0022

259.6514,
282.4831, 298.4456

■ 4.5630, 5.4497,
5.2948

310.7109,

■ 2.0253, 2.5134,

337.3791, 357.0645

2.3595

368.0604,
398.9628, 422.8965

■ 0.6481, 0.8833,
0.7643

■ 0.0000, 0.0000,
0.0000

■ 64.9231, 72.0221,
74.7698

■ 64.9231, 72.0221,
74.7698

■ 57.5339, 68.3935,
66.3565

■ 73.3350, 76.1678,
83.8749

■ 51.1210, 65.2522,
58.6141

■ 82.8015, 80.8407,
93.6825

■ 45.6430, 62.5794,
51.5274

■ 85.8179, 82.1737,
103.8564

■ 41.0535, 60.3514,
45.0790

■ 86.2166, 82.3331,
105.9555

■ 37.3018, 58.5424,
39.2506

■ 34.3317, 57.1239,
34.0229

■ 32.0799, 56.0636,
29.3756

■ 30.4721, 55.3235,
25.2872

■ 29.4051, 54.8510,
21.7334

Harmonies

Analogous

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



66.0190, 72.0221, 70.3550



64.9231, 72.0221, 74.7698



64.7631, 72.0221, 80.3713

Triad

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



64.9231, 72.0221, 74.7698



69.1329, 72.0221, 89.6890



71.4150, 72.0221, 71.5690

Complementary

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



64.9231, 72.0221, 74.7698



65.8912, 65.6449, 74.8470

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.



72.2842, 72.0221, 76.5002



64.9231, 72.0221, 74.7698



70.9499, 72.0221, 87.0785

Square

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



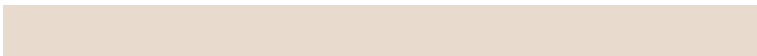
64.9231, 72.0221, 74.7698



67.1682, 72.0221, 89.1706



72.1124, 72.0221, 82.1867



69.7578, 72.0221, 68.5699

Rectangle

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



64.9231, 72.0221, 74.7698



65.2054, 72.0221, 84.0514



72.1124, 72.0221, 82.1867



71.8105, 72.0221, 73.0456

Sweetspot

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



64.9251, 72.0252, 74.7714



92.7456, 98.8643, 106.4281



66.8651, 73.1411, 69.6261



19.8755, 21.1729, 22.8060



0.0000, 0.0000, 0.0000



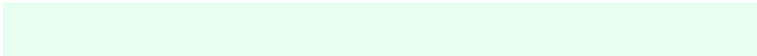
20.3446, 21.4041, 23.3091

Same Dimension

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



64.9251, 72.0252, 74.7714



84.0848, 94.6012, 96.9150



66.0873, 72.4900, 80.8911



13.7806, 15.4380, 15.8798



16.8973, 31.5838, 12.4482



1.2158, 2.2070, 1.0974

Inverse Universe

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



65.8912, 65.6449, 74.8470



85.6768, 84.0873, 97.0394



64.7762, 65.1989, 68.9754



14.0244, 13.8274, 15.8989



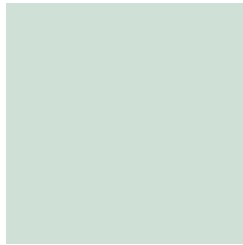
20.0867, 10.1017, 12.3884



1.4372, 0.7181, 1.0950

Previews

White Background



This preview shows how the XYZ color 64.9231, 72.0221, 74.7698 looks on a white background.

Color Contrast Check

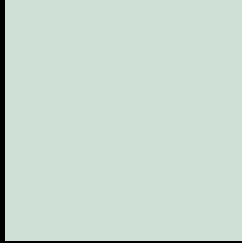
Large Text (above 18pt) WCAG AA × Fail

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 64.9231, 72.0221, 74.7698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

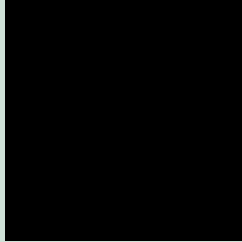
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

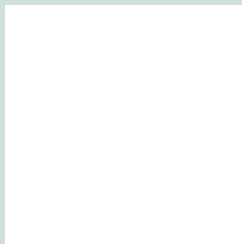
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.9231, 72.0221, 74.7698

Background



This preview shows how black text looks on a background with the XYZ color 64.9231, 72.0221, 74.7698.

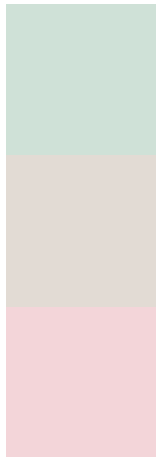


This preview shows how white text looks on a background with the XYZ color 64.9231, 72.0221,

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

64.9231, 72.0221, 74.7698

Protanopia

68.5792, 71.5853, 72.4902

Deuteranopia

73.2808, 71.6529, 75.6137



Tritanopia

68.3004, 71.7938, 91.9191

Trichromacy



Original Color

64.9231, 72.0221, 74.7698

Protanomaly

67.0801, 71.5771, 73.2310

Deuteranomaly

69.8407, 71.4066, 75.0676

Tritanomaly

66.9825, 71.6574, 85.1638

Monochromacy



Original Color

64.9231, 72.0221, 74.7698

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

66.1124, 71.0188, 75.8691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.9231, 72.0221, 74.7698 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(207, 225, 215)` looks like.

```
.text, #text, p{  
    color:rgb(207, 225, 215)  
}
```

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(207, 225, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 225, 215) }
```

Border

The CSS property to change the border of an element to XYZ 64.9231, 72.0221, 74.7698 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(207, 225, 215) }
```


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

```
.border{ border-color:rgb(207, 225, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 225, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 225, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 225, 215);  
box-shadow:4px 4px 4px 4px rgb(207, 225,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 64.9231, 72.0221, 74.7698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 225, 215) }
```

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

```
.background{ background-color: rgb(207,  
225, 215) }
```

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