

Converting Colors

XYZ(63.8836, 72.8379, 68.8411)

Have a look what the booklet for
XYZ(63.8836, 72.8379, 68.8411)
contains.

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Color

**XYZ(64.0608, 72.9222,
69.0915)**

Conversions

Conversions Part 1

Format	Color
Hex	CDE4CE
RGB	205, 228, 206
RGB Percent	80%, 89%, 81%
CMY	0.1961, 0.1059, 0.1922
CMYK	0.10, 0.00, 0.10, 0.11
HSL	123°, 30%, 85%
HSV	123°, 10%, 89%
XYZ	64.0608, 72.9222, 69.0915
YIQ	218.6150, -6.6460, -11.7180

Conversions

Conversions Part 2

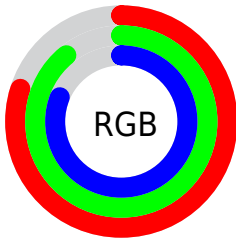
Format	Color
R_{YB}	205, 227, 228
Decimal	13493454
CIE Lab	88.41, -11.66, 8.15
CIE LCh	88, 14.230, 145.037
Yxy	72.9222, 0.3109, 0.3539
Android (android.graphics.Color)	4291683534 (0xFFCDE4CE)
YUV	218.6150, -6.2192, -11.9404
Hunter-Lab	85.3945, -15.5342, 11.8054

Details

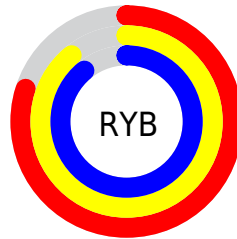
The XYZ color **64.0608, 72.9222, 69.0915** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.6940, 65.7044, 81.7909**, and the grayscale version is **67.1119, 70.6070, 76.8910**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.3736, 38.7334, 35.4231** is the 20% darker color. If you saturate the color by 10%, you get **55.7556, 68.9280, 55.8192**, and if you desaturate by 10%, it is **73.6542, 77.5422, 84.3462**.

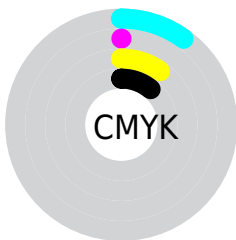
Distribution



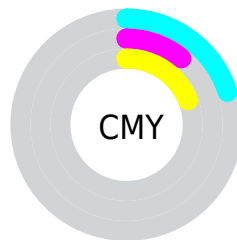
- Red (80%)
- Green (89%)
- Blue (81%)



- Red (80%)
- Yellow (89%)
- Blue (89%)



- Cyan (10%)
- Magenta (0%)
- Yellow (10%)
- Black (11%)



- Cyan (20%)
- Magenta (11%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.0608, 72.9222, 69.0915 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 64.0608, 72.9222, 69.0915 by changing the saturation by 10% instead.

■ 64.0608, 72.9222,
69.0915

■ 64.0608, 72.9222,
69.0915

429.0079,
470.7451, 476.0563

■ 46.9618, 53.9123,
50.3140

109.7717,
123.3668, 119.5812

■ 33.2133, 38.5316,
35.2900

139.1144,
155.5703, 152.1305

■ 22.4499, 26.3955,
23.6010

173.2689,
192.9404, 190.1074

■ 14.3063, 17.1198,
14.8285

212.6008,
235.8617, 233.9306

■ 8.4171, 10.3199,
8.5538

257.4752,
284.7183, 284.0185

■ 4.4170, 5.6116,
4.3585

308.2577,

■ 1.9407, 2.6104,

339.8949, 340.7898

1.8240

365.3134,
401.7757, 404.6628

0.6003, 0.9319,
0.4437

0.0000, 0.0000,
0.0000

64.0608, 72.9222,
69.0915

64.0608, 72.9222,
69.0915

55.7556, 68.9280,
55.8192

73.6542, 77.5422,
84.3462

48.6782, 65.5239,
44.4433

84.5811, 82.8034,
101.6548

42.7720, 62.6847,
34.8788

87.0348, 83.9697,
106.2283

37.9739, 60.3799,
27.0322

■ 34.2147, 58.5760,
20.8017

■ 31.4176, 57.2358,
16.0749

■ 29.4950, 56.3168,
12.7249

■ 28.3434, 55.7689,
10.6039

■ 27.7992, 55.5114,
9.5343

Harmonies

Analogous

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



66.5650, 72.9222, 63.5329



64.0608, 72.9222, 69.0915



62.9647, 72.9222, 77.7822

Triad

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



64.0608, 72.9222, 69.0915



68.7432, 72.9222, 99.6742



75.4393, 72.9222, 71.6949

Complementary

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



64.0608, 72.9222, 69.0915



67.6940, 65.7044, 81.7909

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.



76.0687, 72.9222, 81.0399



64.0608, 72.9222, 69.0915



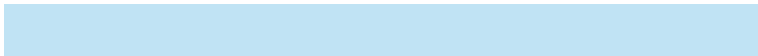
72.1301, 72.9222, 97.7104

Square

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



64.0608, 72.9222, 69.0915



65.6107, 72.9222, 95.8518



74.8392, 72.9222, 90.6857



73.1465, 72.9222, 64.9472

Rectangle

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



64.0608, 72.9222, 69.0915



63.1529, 72.9222, 84.3859



74.8392, 72.9222, 90.6857



75.8556, 72.9222, 74.6143

Sweetspot

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



64.0628, 72.9253, 69.0931



91.1354, 98.1155, 102.6839



70.5183, 76.2672, 68.7627



19.2884, 20.8957, 21.6317



0.0000, 0.0000, 0.0000



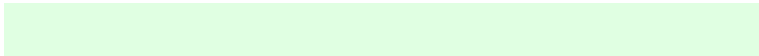
20.3446, 21.4041, 23.3091

Same Dimension

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



64.0628, 72.9253, 69.0931



80.3151, 92.9075, 85.4578



65.4816, 73.4928, 76.5642



14.2146, 16.0993, 15.3949



16.0626, 32.0571, 5.5640



1.1960, 2.3725, 0.4586

Inverse Universe

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



67.6940, 65.7044, 81.7909



85.8397, 81.9212, 104.7766



66.1888, 65.1023, 73.8647



14.9666, 14.6038, 18.0246



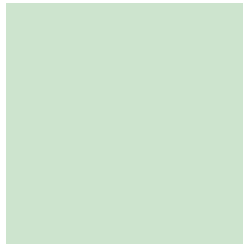
25.8007, 12.4545, 39.4411



1.9150, 0.9237, 2.9590

Previews

White Background



This preview shows how the XYZ color 64.0608, 72.9222, 69.0915 looks on a white background.

Color Contrast Check

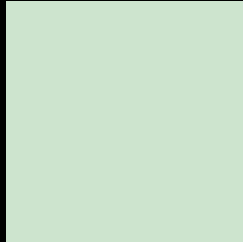
Large Text (above 18pt) WCAG AA × Fail

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 64.0608, 72.9222, 69.0915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

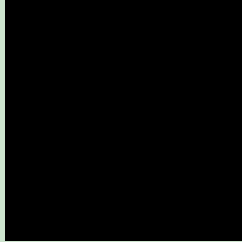
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

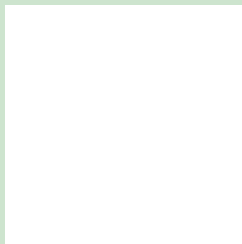
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.0608, 72.9222, 69.0915

Background



This preview shows how black text looks on a background with the XYZ color 64.0608, 72.9222, 69.0915.

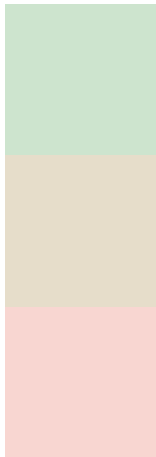


This preview shows how white text looks on a background with the XYZ color 64.0608, 72.9222,

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

64.0608, 72.9222, 69.0915

Protanopia

69.1502, 72.8002, 66.2843

Deuteranopia

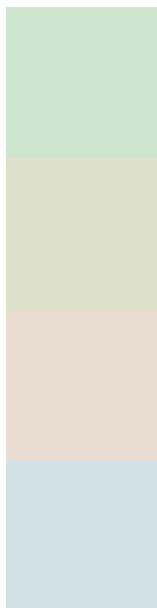
74.2666, 72.6530, 70.4308



Tritanopia

69.1288, 72.9751, 93.6612

Trichromacy



Original Color

64.0608, 72.9222, 69.0915

Protanomaly

67.2539, 72.9953, 67.0447

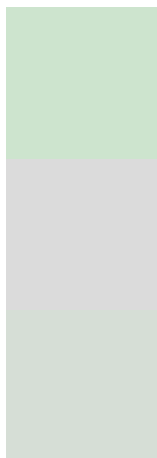
Deuteranomaly

69.9954, 72.3729, 69.9547

Tritanomaly

67.2233, 73.0072, 83.9475

Monochromacy



Original Color

64.0608, 72.9222, 69.0915

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

65.9904, 71.3937, 73.9206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.0608, 72.9222, 69.0915 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(205, 228, 206) looks like.

```
.text, #text, p{  
    color:rgb(205, 228, 206)  
}
```

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(205, 228, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 228, 206) }
```

Border

The CSS property to change the border of an element to XYZ 64.0608, 72.9222, 69.0915 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(205, 228, 206) }
```


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

```
.border{ border-color:rgb(205, 228, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 228, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 228, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 228, 206);  
box-shadow:4px 4px 4px 4px rgb(205, 228,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 64.0608, 72.9222, 69.0915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 228, 206) }
```

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

```
.background{ background-color: rgb(205,  
228, 206) }
```

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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