

Converting Colors

XYZ(64.4226, 72.2906, 74.9255)

Have a look what the booklet for
XYZ(64.4226, 72.2906, 74.9255)
contains.

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Color

**XYZ(64.3639, 72.1364,
74.8214)**

Conversions

Conversions Part 1

Format	Color
Hex	CCE2D7
RGB	204, 226, 215
RGB Percent	80%, 89%, 84%
CMY	0.2000, 0.1137, 0.1569
CMYK	0.10, 0.00, 0.05, 0.11
HSL	150°, 28%, 84%
HSV	150°, 10%, 89%
XYZ	64.3639, 72.1364, 74.8214
YIQ	218.1680, -9.5810, -8.0850

Conversions

Conversions Part 2

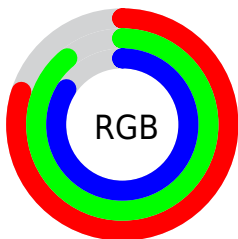
Format	Color
R _Y B	204, 219, 226
Decimal	13427415
CIE Lab	88.03, -9.35, 2.88
CIE LCh	88, 9.783, 162.879
Yxy	72.1364, 0.3046, 0.3414
Android (android.graphics.Color)	4291617495 (0xFFCCE2D7)
YUV	218.1680, -1.5618, -12.4253
Hunter-Lab	84.9332, -13.3624, 7.2220

Details

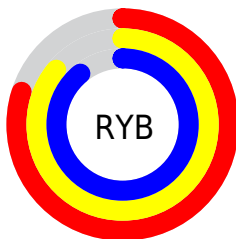
The XYZ color **64.3639, 72.1364, 74.8214** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.2252, 64.2625, 73.2594**, and the grayscale version is **66.7733, 70.2507, 76.5030**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.4858, 38.1479, 38.8561** is the 20% darker color. If you saturate the color by 10%, you get **57.2111, 68.6130, 67.1665**, and if you desaturate by 10%, it is **72.5200, 76.1694, 83.0500**.

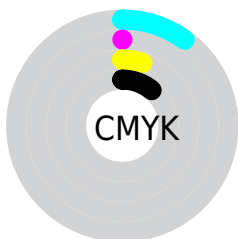
Distribution



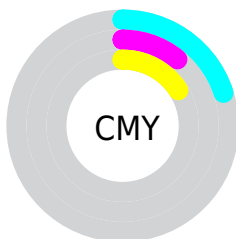
- Red (80%)
- Green (89%)
- Blue (84%)



- Red (80%)
- Yellow (86%)
- Blue (89%)



- Cyan (10%)
- Magenta (0%)
- Yellow (5%)
- Black (11%)



- Cyan (20%)
- Magenta (11%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.3639, 72.1364, 74.8214 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 64.3639, 72.1364, 74.8214 by changing the saturation by 10% instead.

■ 64.3639, 72.1364,
74.8214

■ 64.3639, 72.1364,
74.8214

430.0840,
468.0162, 496.5425

■ 47.2083, 53.2701,
54.9657

110.2057,
122.2504, 127.8043

■ 33.4090, 38.0184,
38.9759

139.6225,
154.2670, 161.7686

■ 22.6006, 25.9970,
26.4333

173.8571,
191.4357, 201.2729

■ 14.4180, 16.8214,
16.9194

213.2748,
234.1410, 246.7356

■ 8.4956, 10.1072,
10.0157

258.2410,
282.7674, 298.5754

■ 4.4681, 5.4701,
5.3036

309.1210,

■ 1.9702, 2.5256,

337.6991, 357.2108

2.3646

366.2802,
399.3206, 423.0603

■ 0.6172, 0.8894,
0.7671

■ 0.0000, 0.0000,
0.0000

■ 64.3639, 72.1364,
74.8214

■ 64.3639, 72.1364,
74.8214

■ 57.2111, 68.6130,
67.1665

■ 72.5200, 76.1694,
83.0500

■ 51.0149, 65.5695,
60.0681

■ 81.7115, 80.7223,
91.8596

■ 45.7339, 62.9866,
53.5150

■ 85.5222, 82.4893,
100.9612

■ 41.3214, 60.8406,
47.4938

■ 86.4878, 82.8755,
106.0459

■ 37.7261, 59.1052,
41.9905

■ 34.8910, 57.7514,
36.9905

■ 32.7514, 56.7461,
32.4781

■ 31.2310, 56.0501,
28.4367

■ 30.2019, 55.5981,
24.8468

Harmonies

Analogous

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



65.5553, 72.1364, 69.4984



64.3639, 72.1364, 74.8214



64.2815, 72.1364, 81.4436

Triad

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



64.3639, 72.1364, 74.8214



69.5685, 72.1364, 91.7499



71.9046, 72.1364, 70.1203

Complementary

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



64.3639, 72.1364, 74.8214



65.2252, 64.2625, 73.2594

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.



73.0315, 72.1364, 75.7146



64.3639, 72.1364, 74.8214



71.6624, 72.1364, 88.3429

Square

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



64.3639, 72.1364, 74.8214



67.2509, 72.1364, 91.4771



72.9419, 72.1364, 82.3886



69.8930, 72.1364, 66.8917

Rectangle

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



64.3639, 72.1364, 74.8214



64.8636, 72.1364, 85.7292



72.9419, 72.1364, 82.3886



72.4014, 72.1364, 71.7724

Sweetspot

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



64.3659, 72.1395, 74.8230



91.6814, 98.3339, 105.5593



66.2301, 73.2584, 67.7772



19.4354, 20.9544, 22.4054



0.0000, 0.0000, 0.0000



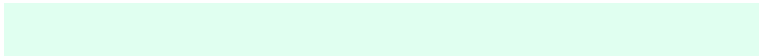
20.3446, 21.4041, 23.3091

Same Dimension

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



64.3659, 72.1395, 74.8230



82.3079, 93.7046, 95.9517



65.7779, 72.7042, 82.2581



13.8131, 15.4510, 16.0512



17.2754, 31.7350, 14.4394



1.2426, 2.2178, 1.2389

Inverse Universe

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



65.2252, 64.2625, 73.2594



83.6872, 81.0602, 93.4417



63.9021, 63.7333, 66.2922



13.9917, 13.8143, 15.7263



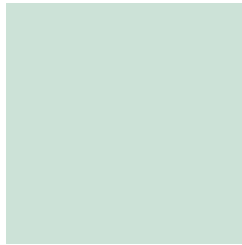
19.6541, 9.9286, 10.1103



1.4075, 0.7063, 0.9388

Previews

White Background



This preview shows how the XYZ color 64.3639, 72.1364, 74.8214 looks on a white background.

Color Contrast Check

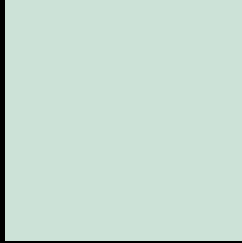
Large Text (above 18pt) WCAG AA × Fail

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 64.3639, 72.1364, 74.8214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

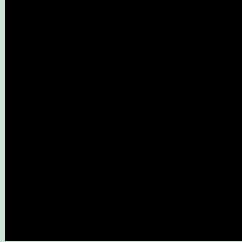
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

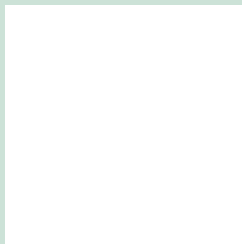
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.3639, 72.1364, 74.8214

Background



This preview shows how black text looks on a background with the XYZ color 64.3639, 72.1364, 74.8214.



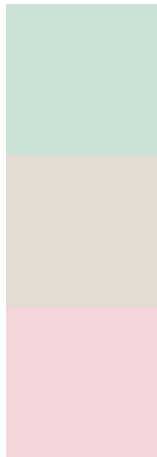
This preview shows how white text looks on a background with the XYZ color 64.3639, 72.1364,

74.8214.

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

64.3639, 72.1364, 74.8214

Protanopia

69.0296, 72.2204, 71.9297

Deuteranopia

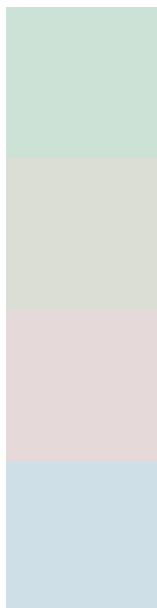
73.4113, 71.7051, 76.3010



Tritanopia

67.8619, 71.9437, 92.7479

Trichromacy



Original Color

64.3639, 72.1364, 74.8214

Protanomaly

67.2184, 72.0561, 72.6528

Deuteranomaly

69.9089, 71.8106, 75.8219

Tritanomaly

66.5436, 71.8103, 85.9549

Monochromacy



Original Color

64.3639, 72.1364, 74.8214

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.8214, 70.8688, 75.8555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.3639, 72.1364, 74.8214 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(204, 226, 215)` looks like.

```
.text, #text, p{  
    color:rgb(204, 226, 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(204, 226, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 226, 215) }
```

Border

The CSS property to change the border of an element to XYZ 64.3639, 72.1364, 74.8214 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(204, 226, 215) }
```


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

```
.border{ border-color:rgb(204, 226, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 226, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 226, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 226, 215);  
box-shadow:4px 4px 4px 4px rgb(204, 226,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 64.3639, 72.1364, 74.8214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 226, 215) }
```

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

```
.background{ background-color: rgb(204,  
226, 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](#).

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