

Converting Colors

XYZ(64.2650, 72.2296, 74.0861)

Have a look what the booklet for
XYZ(64.2650, 72.2296, 74.0861)
contains.

XYZ(64.2358, 72.0851, 74.1466)	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(64.2358, 72.0851,
74.1466)**

Conversions

Conversions Part 1

Format	Color
Hex	CCE2D6
RGB	204, 226, 214
RGB Percent	80%, 89%, 84%
CMY	0.2000, 0.1137, 0.1608
CMYK	0.10, 0.00, 0.05, 0.11
HSL	147°, 28%, 84%
HSV	147°, 10%, 89%
XYZ	64.2358, 72.0851, 74.1466
YIQ	218.0540, -9.2600, -8.3960

Conversions

Conversions Part 2

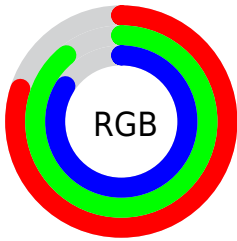
Format	Color
R_{YB}	204, 219, 226
Decimal	13427414
CIE Lab	88.01, -9.53, 3.37
CIE LCh	88, 10.112, 160.536
Yxy	72.0851, 0.3052, 0.3425
Android (android.graphics.Color)	4291617494 (0xFFCCE2D6)
YUV	218.0540, -1.9986, -12.3254
Hunter-Lab	84.9029, -13.5308, 7.6535

Details

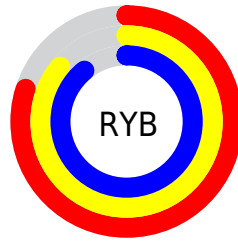
The XYZ color **64.2358, 72.0851, 74.1466** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.3542, 64.3142, 73.9384**, and the grayscale version is **66.6974, 70.1709, 76.4161**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.3986, 38.1131, 38.3971** is the 20% darker color. If you saturate the color by 10%, you get **56.9699, 68.5165, 65.8965**, and if you desaturate by 10%, it is **72.5238, 76.1709, 83.0697**.

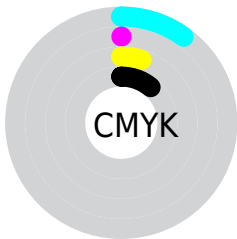
Distribution



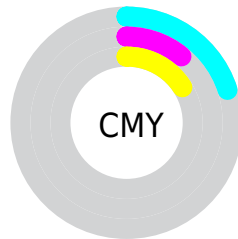
- Red (80%)
- Green (89%)
- Blue (84%)



- 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 64.2358, 72.0851, 74.1466 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 64.2358, 72.0851, 74.1466 by changing the saturation by 10% instead.

■ 64.2358, 72.0851,
74.1466

■ 64.2358, 72.0851,
74.1466

429.6294,
467.8377, 494.1561

■ 47.1041, 53.2282,
54.4165

110.0223,
122.1775, 126.8396

■ 33.3262, 37.9850,
38.5393

139.4078,
154.1818, 160.6395

■ 22.5369, 25.9710,
26.0965

173.6086,
191.3374, 199.9665

■ 14.3707, 16.8020,
16.6694

212.9900,
234.0286, 245.2391

■ 8.4624, 10.0934,
9.8396

257.9174,
282.6398, 296.8758

■ 4.4465, 5.4609,
5.1885

308.7563,

■ 1.9577, 2.5202,

337.5555, 355.2952

2.2976

365.8718,
399.1600, 420.9158

■ 0.6100, 0.8867,
0.7299

■ 0.0000, 0.0000,
0.0000

■ 64.2358, 72.0851,
74.1466

■ 64.2358, 72.0851,
74.1466

■ 56.9699, 68.5165,
65.8965

■ 72.5238, 76.1709,
83.0697

■ 50.6789, 65.4351,
58.2991

■ 81.8667, 80.7843,
92.6762

■ 45.3209, 62.8214,
51.3397

■ 85.8485, 82.6198,
102.6800

■ 40.8481, 60.6512,
45.0014

■ 86.4877, 82.8754,
106.0459

■ 37.2088, 58.8982,
39.2665

■ 34.3452, 57.5330,
34.1164

■ 32.1918, 56.5222,
29.5314

■ 30.6714, 55.8263,
25.4903

■ 29.6554, 55.3794,
21.9689

Harmonies

Analogous

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



65.5455, 72.0851, 68.8236



64.2358, 72.0851, 74.1466



64.0570, 72.0851, 80.9413

Triad

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



64.2358, 72.0851, 74.1466



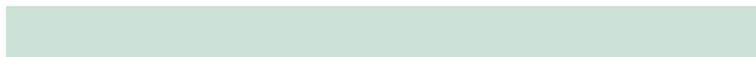
69.3659, 72.0851, 92.2794



72.0990, 72.0851, 70.1714

Complementary

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



64.2358, 72.0851, 74.1466



65.3542, 64.3142, 73.9384

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.



73.1746, 72.0851, 76.0856



64.2358, 72.0851, 74.1466



71.5723, 72.0851, 89.0182

Square

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



64.2358, 72.0851, 74.1466



66.9814, 72.0851, 91.6847



72.9796, 72.0851, 82.9965



70.0713, 72.0851, 66.6233

Rectangle

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



64.2358, 72.0851, 74.1466



64.5986, 72.0851, 85.4296



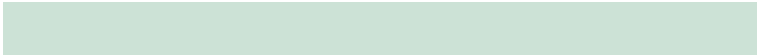
72.9796, 72.0851, 82.9965



72.5860, 72.0851, 71.9338

Sweetspot

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



64.2378, 72.0882, 74.1482



91.6266, 98.3120, 105.2705



66.4465, 73.3698, 67.7875



19.4206, 20.9485, 22.3276



0.0000, 0.0000, 0.0000



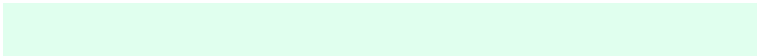
20.3446, 21.4041, 23.3091

Same Dimension

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



64.2378, 72.0882, 74.1482



82.1024, 93.6224, 94.8693



65.6776, 72.6641, 81.7301



13.7865, 15.4403, 15.9109



16.9622, 31.6097, 12.7901



1.2205, 2.2089, 1.1221

Inverse Universe

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



65.3542, 64.3142, 73.9384



83.8944, 81.1430, 94.5323



63.9906, 63.7688, 66.7580



14.0185, 13.8250, 15.8674



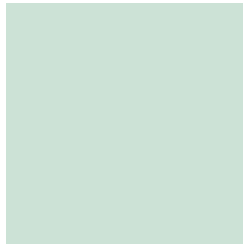
20.0038, 10.0685, 11.9516



1.4316, 0.7159, 1.0654

Previews

White Background



This preview shows how the XYZ color 64.2358, 72.0851, 74.1466 looks on a white background.

Color Contrast Check

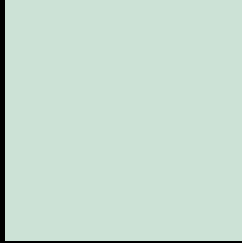
Large Text (above 18pt) WCAG AA × Fail

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 64.2358, 72.0851, 74.1466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

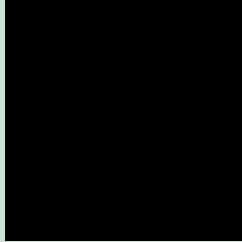
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

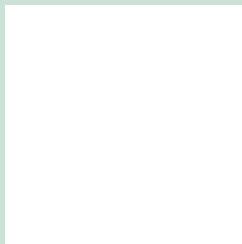
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.2358, 72.0851, 74.1466

Background



This preview shows how black text looks on a background with the XYZ color 64.2358, 72.0851, 74.1466.

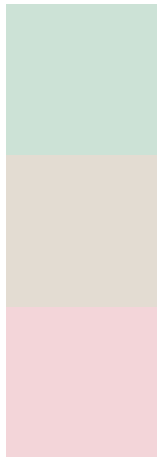


This preview shows how white text looks on a background with the XYZ color 64.2358, 72.0851,

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

64.2358, 72.0851, 74.1466

Protanopia

68.9046, 72.1704, 71.2714

Deuteranopia

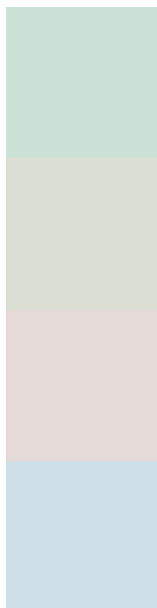
73.2808, 71.6529, 75.6137



Tritanopia

67.8619, 71.9437, 92.7479

Trichromacy



Original Color

64.2358, 72.0851, 74.1466

Protanomaly

67.0926, 72.0058, 71.9904

Deuteranomaly

69.7792, 71.7587, 75.1388

Tritanomaly

66.5436, 71.8103, 85.9549

Monochromacy



Original Color

64.2358, 72.0851, 74.1466

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 64.2358, 72.0851, 74.1466 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, 214) looks like.

```
.text, #text, p{  
    color:rgb(204, 226, 214)  
}
```

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, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 226, 214) }
```

Border

The CSS property to change the border of an element to XYZ 64.2358, 72.0851, 74.1466 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, 214) }
```


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

```
.border{ border-color:rgb(204, 226, 214) }
```

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, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 226, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 226, 214);  
box-shadow:4px 4px 4px 4px rgb(204, 226,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2358, 72.0851, 74.1466 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, 214) }
```

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

```
.background{ background-color: rgb(204,  
226, 214) }
```

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