

Converting Colors

XYZ(64.4935, 74.2073, 69.8332)

Have a look what the booklet for
XYZ(64.4935, 74.2073, 69.8332)
contains.

XYZ(64.7402, 74.4942, 69.9981)	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(64.7402, 74.4942,
69.9981)**

Conversions

Conversions Part 1

Format	Color
Hex	CCE7CF
RGB	204, 231, 207
RGB Percent	80%, 91%, 81%
CMY	0.2000, 0.0941, 0.1882
CMYK	0.12, 0.00, 0.10, 0.09
HSL	127°, 36%, 85%
HSV	127°, 12%, 91%
XYZ	64.7402, 74.4942, 69.9981
YIQ	220.1910, -8.3880, -13.1880

Conversions

Conversions Part 2

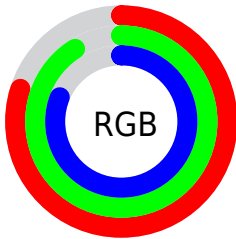
Format	Color
R_{YB}	204, 228, 231
Decimal	13428687
CIE _{Lab}	89.16, -13.33, 8.69
CIE _{LCh}	89, 15.911, 146.895
Yxy	74.4942, 0.3094, 0.3560
Android (android.graphics.Color)	4291618767 (0xFFCCE7CF)
YUV	220.1910, -6.5032, -14.1995
Hunter-Lab	86.3100, -17.1517, 12.3324

Details

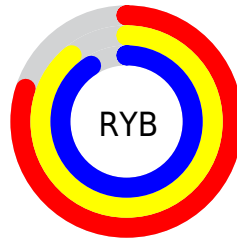
The XYZ color **64.7402, 74.4942, 69.9981** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.5541, 65.7778, 82.4854**, and the grayscale version is **68.2107, 71.7630, 78.1499**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.6574, 39.4439, 35.9765** is the 20% darker color. If you saturate the color by 10%, you get **56.5229, 70.5316, 57.3505**, and if you desaturate by 10%, it is **74.2272, 79.0779, 84.4125**.

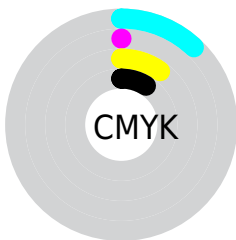
Distribution



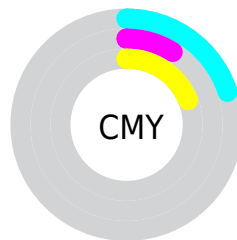
- Red (80%)
- Green (91%)
- Blue (81%)



- Red (80%)
- Yellow (89%)
- Blue (91%)



- Cyan (12%)
- Magenta (0%)
- Yellow (10%)
- Black (9%)



- Cyan (20%)
- Magenta (9%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.7402, 74.4942, 69.9981 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 64.7402, 74.4942, 69.9981 by changing the saturation by 10% instead.

■ 64.7402, 74.4942,
69.9981

■ 64.7402, 74.4942,
69.9981

431.4178,
476.1773, 479.3323

■ 47.5144, 55.1986,
51.0482

110.7441,
125.5961, 120.8871

■ 33.6521, 39.5608,
35.8700

140.2528,
158.1713, 153.6633

■ 22.7881, 27.1962,
24.0449

174.5865,
195.9417, 191.8854

■ 14.5569, 17.7207,
15.1544

214.1106,
239.2918, 235.9718

■ 8.5933, 10.7496,
8.7800

259.1904,
288.6061, 286.3412

■ 4.5319, 5.8987,
4.5031

310.1913,

■ 2.0072, 2.7836,

344.2688, 343.4120

1.9052

367.4786,
406.6644, 407.6029

0.6380, 1.0198,
0.4960

0.0000, 0.0000,
0.0000

64.7402, 74.4942,
69.9981

64.7402, 74.4942,
69.9981

56.5229, 70.5316,
57.3505

74.2272, 79.0779,
84.4125

49.5155, 67.1544,
46.3971

85.0283, 84.2977,
100.6529

43.6626, 64.3375,
37.0674

87.8674, 85.6348,
106.5058

38.9017, 62.0505,
29.2840

■ 35.1649, 60.2601,
22.9635

■ 32.3762, 58.9292,
18.0144

■ 30.4491, 58.0151,
14.3348

■ 29.2809, 57.4676,
11.8089

■ 28.7601, 57.2279,
10.4882

Harmonies

Analogous

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



67.4847, 74.4942, 63.5180



64.7402, 74.4942, 69.9981



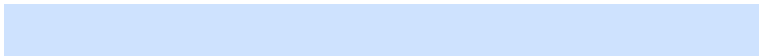
63.6168, 74.4942, 79.9604

Triad

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



64.7402, 74.4942, 69.9981



70.4014, 74.4942, 104.3585



77.6649, 74.4942, 71.8298

Complementary

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



64.7402, 74.4942, 69.9981



68.5541, 65.7778, 82.4854

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.



78.5142, 74.4942, 82.2737



64.7402, 74.4942, 69.9981



74.2314, 74.4942, 101.6862

Square

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



64.7402, 74.4942, 69.9981



66.8095, 74.4942, 100.3474



77.2362, 74.4942, 93.3431



74.9557, 74.4942, 64.5058

Rectangle

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



64.7402, 74.4942, 69.9981



63.9067, 74.4942, 87.4774



77.2362, 74.4942, 93.3431



78.1816, 74.4942, 75.0622

Sweetspot

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



64.7422, 74.4974, 69.9997



89.9708, 97.5463, 101.2215



71.5683, 78.0583, 68.4222



19.0593, 20.7832, 21.3653



0.0000, 0.0000, 0.0000



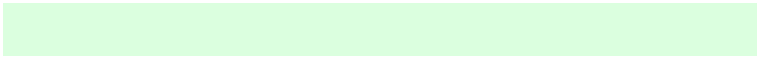
20.3446, 21.4041, 23.3091

Same Dimension

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



64.7422, 74.4974, 69.9997



78.4190, 91.9688, 83.6193



66.4248, 75.1704, 78.8600



14.2541, 16.1151, 15.6029



16.1449, 32.0900, 5.9972



1.2149, 2.3801, 0.5581

Inverse Universe

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



68.5541, 65.7778, 82.4854



84.0677, 79.0468, 102.1210



66.7903, 65.0723, 73.1972



14.9225, 14.5862, 17.7923



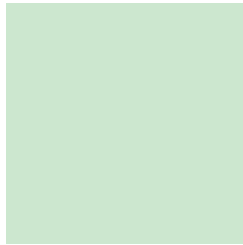
24.7041, 12.0159, 33.6666



1.8453, 0.8958, 2.5921

Previews

White Background



This preview shows how the XYZ color 64.7402, 74.4942, 69.9981 looks on a white background.

Color Contrast Check

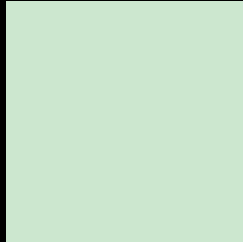
Large Text (above 18pt) WCAG AA × Fail

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 64.7402, 74.4942, 69.9981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

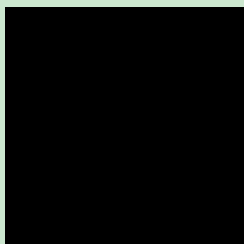
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

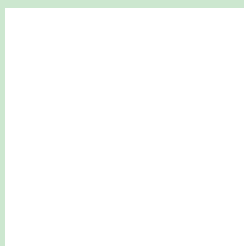
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.7402, 74.4942, 69.9981

Background



This preview shows how black text looks on a background with the XYZ color 64.7402, 74.4942, 69.9981.

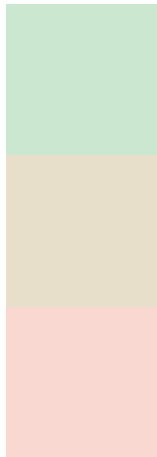


This preview shows how white text looks on a background with the XYZ color 64.7402, 74.4942,

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

64.7402, 74.4942, 69.9981

Protanopia

70.4459, 74.2430, 67.1173

Deuteranopia

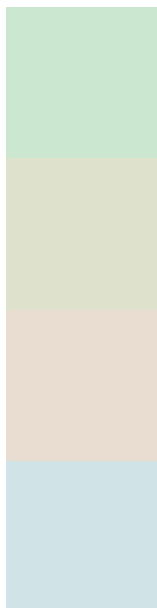
75.6131, 74.0889, 71.2881



Tritanopia

70.1038, 74.6260, 96.2973

Trichromacy



Original Color

64.7402, 74.4942, 69.9981

Protanomaly

68.2196, 74.2819, 67.8690

Deuteranomaly

70.9693, 73.6400, 70.7951

Tritanomaly

68.1796, 74.6662, 86.4199

Monochromacy



Original Color

64.7402, 74.4942, 69.9981

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

66.6530, 72.5137, 74.7735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7402, 74.4942, 69.9981 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, 231, 207)` looks like.

```
.text, #text, p{  
    color:rgb(204, 231, 207)  
}
```

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, 231, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 231, 207) }
```

Border

The CSS property to change the border of an element to XYZ 64.7402, 74.4942, 69.9981 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, 231, 207) }
```


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

```
.border{ border-color:rgb(204, 231, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 231, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 231, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 231, 207);  
box-shadow:4px 4px 4px 4px rgb(204, 231,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7402, 74.4942, 69.9981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 231, 207) }
```

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

```
.background{ background-color: rgb(204,  
231, 207) }
```

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