

# Converting Colors

XYZ(64.9087, 75.0464, 75.0073)

Have a look what the booklet for  
XYZ(64.9087, 75.0464, 75.0073)  
contains.

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# **Color**

**XYZ(64.8136, 74.8476,  
74.6493)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8E8D6
RGB	200, 232, 214
RGB Percent	78%, 91%, 84%
CMY	0.2157, 0.0902, 0.1608
CMYK	0.14, 0.00, 0.08, 0.09
HSL	146°, 41%, 85%
HSV	146°, 14%, 91%
XYZ	64.8136, 74.8476, 74.6493
YIQ	220.3800, -13.2940, -12.3820

# Conversions

## Conversions Part 2

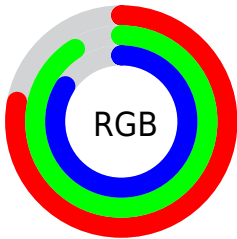
Format	Color
<a href="#">RYB</a>	<a href="#">200, 222, 232</a>
Decimal	<a href="#">13166806</a>
CIELab	<a href="#">89.32, -13.88, 5.23</a>
CIELCh	<a href="#">89, 14.832, 159.333</a>
Yxy	<a href="#">74.8476, 0.3024, 0.3492</a>
Android (android.graphics.Color)	<a href="#">4291356886</a> ( <a href="#">0xFFC8E8D6</a> )
YUV	<a href="#">220.3800, -3.1453, -17.8733</a>
Hunter-Lab	<a href="#">86.5145, -17.6745, 9.4016</a>

# Details

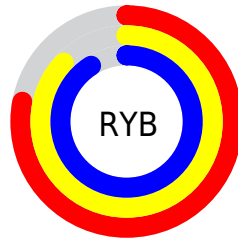
The XYZ color **64.8136, 74.8476, 74.6493** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.5905, 63.5282, 75.0855**, and the grayscale version is **68.3226, 71.8807, 78.2781**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.6374, 39.6649, 38.6841** is the 20% darker color. If you saturate the color by 10%, you get **57.4810, 71.2545, 65.9517**, and if you desaturate by 10%, it is **73.2242, 78.9851, 84.0977**.

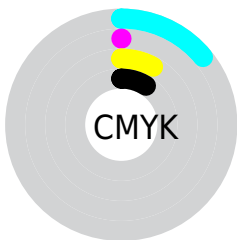
# Distribution



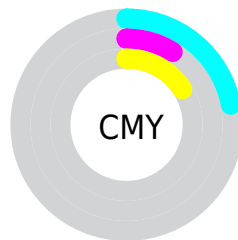
- Red (78%)
- Green (91%)
- Blue (84%)



- Red (78%)
- Yellow (87%)
- Blue (91%)



- Cyan (14%)
- Magenta (0%)
- Yellow (8%)
- Black (9%)



- Cyan (22%)
- Magenta (9%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8136, 74.8476, 74.6493 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 64.8136, 74.8476, 74.6493 by changing the saturation by 10% instead.



■ 64.8136, 74.8476,  
74.6493

■ 64.8136, 74.8476,  
74.6493

431.6776,  
477.3936, 495.9345

■ 47.5741, 55.4880,  
54.8256

110.8490,  
126.0966, 127.5583

■ 33.6996, 39.7926,  
38.8645

140.3757,  
158.7549, 161.4808

■ 22.8247, 27.3769,  
26.3473

174.7287,  
196.6148, 200.9399

■ 14.5841, 17.8565,  
16.8555

214.2735,  
240.0608, 246.3542

■ 8.6124, 10.8470,  
9.9707

259.3755,  
289.4773, 298.1423

■ 4.5443, 5.9640,  
5.2742

310.3999,

■ 2.0145, 2.8232,

345.2487, 356.7227

2.3475

367.7122,  
407.7593, 422.5139

■ 0.6421, 1.0402,  
0.7576

■ 0.0000, 0.0000,  
0.0000

■ 64.8136, 74.8476,  
74.6493

■ 64.8136, 74.8476,  
74.6493

■ 57.4810, 71.2545,  
65.9517

■ 73.2242, 78.9851,  
84.0977

■ 51.1748, 68.1734,  
57.9815

■ 82.7491, 83.6792,  
94.3097

■ 45.8484, 65.5827,  
50.7214

■ 87.8525, 86.0778,  
105.0429

■ 41.4490, 63.4556,  
44.1512

■ 88.1480, 86.1961,  
106.5993

■ 37.9186, 61.7626,  
38.2501

■ 35.1923, 60.4707,  
32.9958

■ 33.1954, 59.5416,  
28.3649

■ 31.8376, 58.9295,  
24.3320

■ 31.2312, 58.6653,  
22.1162

# Harmonies

## Analogous

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



66.8117, 74.8476, 67.0053



64.8136, 74.8476, 74.6493



64.4792, 74.8476, 84.7779

# Triad

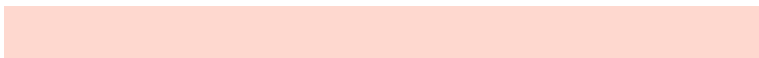
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.8136, 74.8476, 74.6493



72.2772, 74.8476, 102.8329



76.6713, 74.8476, 69.4829

# Complementary

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



64.8136, 74.8476, 74.6493



66.5905, 63.5282, 75.0855

# 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.



78.2453, 74.8476, 78.3006



64.8136, 74.8476, 74.6493



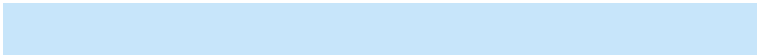
75.6522, 74.8476, 97.9391

# Square

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



64.8136, 74.8476, 74.6493



68.7076, 74.8476, 101.6455



77.8661, 74.8476, 88.7497

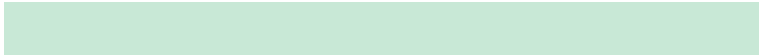


73.6299, 74.8476, 64.2031



# Rectangle

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



64.8136, 74.8476, 74.6493



65.2330, 74.8476, 91.6759



77.8661, 74.8476, 88.7497



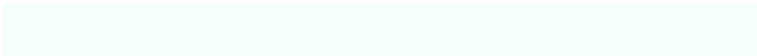
77.3941, 74.8476, 72.0996

# Sweetspot

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



64.8157, 74.8508, 74.6510



90.4862, 97.7524, 103.9360



68.2379, 76.8128, 65.8744



19.1894, 20.8353, 22.0504



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

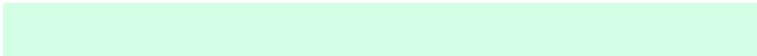


# Same Dimension

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



64.8157, 74.8508, 74.6510



77.1799, 91.2128, 88.8536



66.9427, 75.7016, 85.8519



14.4499, 16.1934, 16.6338



17.3983, 32.5914, 12.5977



1.3317, 2.4268, 1.1731



# Inverse Universe

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



66.5905, 63.5282, 75.0855



79.8417, 74.2304, 89.5043



64.6117, 62.7366, 64.6650



14.7148, 14.5031, 16.6988



20.7954, 10.4524, 13.0834

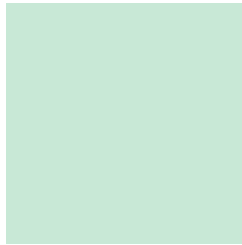


1.5832, 0.7910, 1.2116



# Previews

## White Background



This preview shows how the XYZ color 64.8136, 74.8476, 74.6493 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

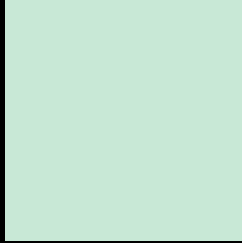
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.8136, 74.8476, 74.6493 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

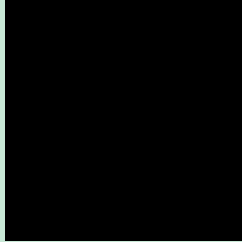
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

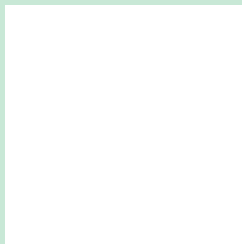
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 64.8136, 74.8476, 74.6493**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.8136, 74.8476, 74.6493.



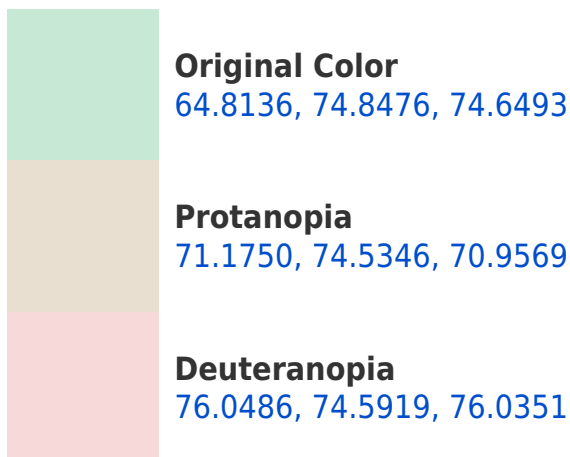
This preview shows how white text looks on a background with the XYZ color 64.8136, 74.8476, 74.6493.



# 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

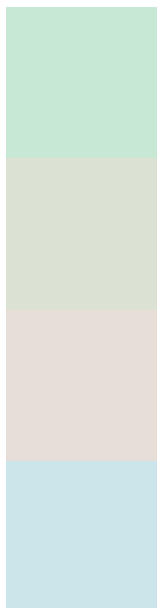




## Tritanopia

69.1274, 74.5099, 97.1246

# Trichromacy



## Original Color

64.8136, 74.8476, 74.6493

## Protanomaly

68.4694, 74.3115, 72.3628

## Deuteranomaly

71.4709, 74.1893, 75.5188

## Tritanomaly

67.4992, 74.6756, 88.6982

# Monochromacy



## Original Color

64.8136, 74.8476, 74.6493

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

66.7511, 72.5194, 76.8092

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.8136, 74.8476, 74.6493 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(200, 232, 214)` looks like.

```
.text, #text, p{  
    color:rgb(200, 232, 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(200, 232, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 232, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 64.8136, 74.8476, 74.6493 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(200, 232, 214) }
```



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

```
.border{ border-color:rgb(200, 232, 214) }
```

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

Here you see how a box with a 4 pixel rgb(200, 232, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 232, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 232, 214);  
box-shadow:4px 4px 4px 4px rgb(200, 232,  
214) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.8136, 74.8476, 74.6493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 232, 214) }
```

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

```
.background{ background-color: rgb(200,  
232, 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](#).

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