

# Converting Colors

XYZ(64.4874, 74.2542, 77.1595)

Have a look what the booklet for  
XYZ(64.4874, 74.2542, 77.1595)  
contains.

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# Color

**XYZ(64.5195, 74.2196,  
77.2549)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6E7DA
RGB	198, 231, 218
RGB Percent	78%, 91%, 85%
CMY	0.2235, 0.0941, 0.1451
CMYK	0.14, 0.00, 0.06, 0.09
HSL	156°, 41%, 84%
HSV	156°, 14%, 91%
XYZ	64.5195, 74.2196, 77.2549
YIQ	219.6510, -15.4950, -11.0390

# Conversions

## Conversions Part 2

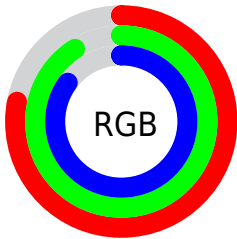
<b>Format</b>	<b>Color</b>
<b>RYB</b>	198, 219, 231
Decimal	13035482
CIELab	89.03, -13.27, 2.70
CIELCh	89, 13.543, 168.512
Yxy	74.2196, 0.2987, 0.3436
Android (android.graphics.Color)	4291225562 (0xFFC6E7DA)
YUV	219.6510, -0.8139, -18.9879
Hunter-Lab	86.1508, -17.0828, 7.1378

# Details

The XYZ color **64.5195, 74.2196, 77.2549** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.9096, 62.0821, 70.1933**, and the grayscale version is **67.7992, 71.3301, 77.6785**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.4424, 39.2336, 40.4606** is the 20% darker color. If you saturate the color by 10%, you get **57.7306, 70.8557, 70.8905**, and if you desaturate by 10%, it is **72.3067, 78.0946, 84.0106**.

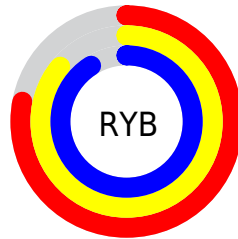
# Distribution



Red (78%)

Green (91%)

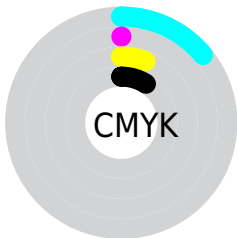
Blue (85%)



Red (78%)

Yellow (86%)

Blue (91%)

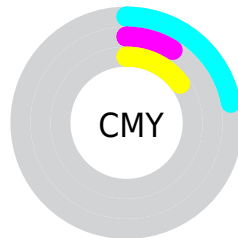


Cyan (14%)

Magenta (0%)

Yellow (6%)

Black (9%)



Cyan (22%)

Magenta (9%)

Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5195, 74.2196, 77.2549 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 64.5195, 74.2196, 77.2549 by changing the saturation by 10% instead.



■ 64.5195, 74.2196,  
77.2549

■ 64.5195, 74.2196,  
77.2549

430.6358,  
475.2309, 505.0934

■ 47.3348, 54.9738,  
56.9493

110.4283,  
125.2071, 131.2755

■ 33.5095, 39.3807,  
40.5554

139.8832,  
157.7175, 165.8276

■ 22.6781, 27.0560,  
27.6548

174.1588,  
195.4183, 205.9657

■ 14.4754, 17.6153,  
17.8288

213.6205,  
238.6938, 252.1081

■ 8.5360, 10.6742,  
10.6590

258.6337,  
287.9284, 304.6736

■ 4.4944, 5.8482,  
5.7268

309.5638,

■ 1.9855, 2.7530,

343.5065, 364.0806

2.6136

366.7760,  
405.8126, 430.7477

■ 0.6258, 1.0042,  
0.8994

■ 0.0000, 0.0000,  
0.0000

■ 64.5195, 74.2196,  
77.2549

■ 64.5195, 74.2196,  
77.2549

■ 57.7306, 70.8557,  
70.8905

■ 72.3067, 78.0946,  
84.0106

■ 51.8907, 67.9716,  
64.9049

■ 81.1261, 82.4921,  
91.1599

■ 46.9557, 65.5466,  
59.2922

■ 86.3456, 85.0260,  
98.4926

■ 42.8754, 63.5550,  
54.0444

■ 87.7722, 85.5966,  
106.0049

■ 39.5944, 61.9685,  
49.1528

■ 87.8673, 85.6347,  
106.5058

■ 37.0507, 60.7551,  
44.6087

■ 35.1723, 59.8779,  
40.4024

■ 33.8716, 59.2919,  
36.5234

■ 33.3101, 59.0478,  
34.4481

# Harmonies

## Analogous

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



65.9065, 74.2196, 69.3864



64.5195, 74.2196, 77.2549



64.7088, 74.2196, 86.7070

# Triad

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



64.5195, 74.2196, 77.2549



72.5727, 74.2196, 99.2538



74.8212, 74.2196, 67.9772

# Complementary

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



64.5195, 74.2196, 77.2549



64.9096, 62.0821, 70.1933

# 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.



76.7188, 74.2196, 75.1914



64.5195, 74.2196, 77.2549



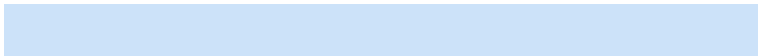
75.3930, 74.2196, 93.4288

# Square

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



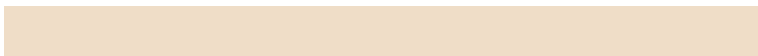
64.5195, 74.2196, 77.2549



69.2901, 74.2196, 99.9146



76.9313, 74.2196, 84.4777



71.8119, 74.2196, 64.3148



# Rectangle

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



64.5195, 74.2196, 77.2549



65.7047, 74.2196, 92.6364



76.9313, 74.2196, 84.4777



75.6142, 74.2196, 70.0402

# Sweetspot

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



64.5216, 74.2227, 77.2565



90.7561, 97.8604, 105.3568



65.6928, 75.1109, 64.4626



19.2577, 20.8626, 22.4100



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

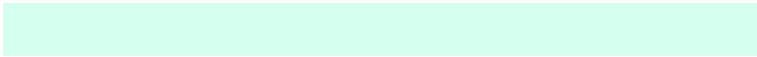


# Same Dimension

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



64.5216, 74.2227, 77.2565



78.2314, 91.6334, 94.3910



65.3759, 73.1003, 86.2692



14.5543, 16.2352, 17.1839



18.7359, 33.1265, 19.6415



1.4299, 2.4661, 1.6905



# Inverse Universe

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



64.9096, 62.0821, 70.1933



78.8013, 73.8142, 84.0256



64.1070, 62.9813, 62.2049



14.6110, 14.4616, 16.1518



19.5910, 9.9706, 6.7410

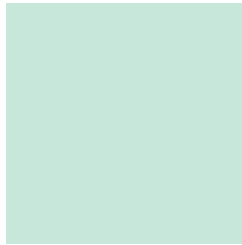


1.4923, 0.7547, 0.7332



# Previews

## White Background



This preview shows how the XYZ color 64.5195, 74.2196, 77.2549 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

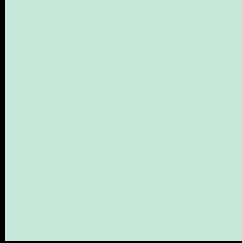
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.5195, 74.2196, 77.2549 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

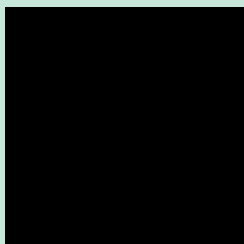
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

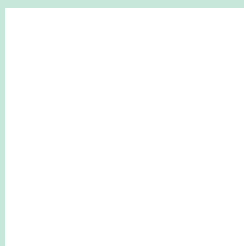
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 64.5195, 74.2196, 77.2549

## Background



This preview shows how black text looks on a background with the XYZ color 64.5195, 74.2196, 77.2549.



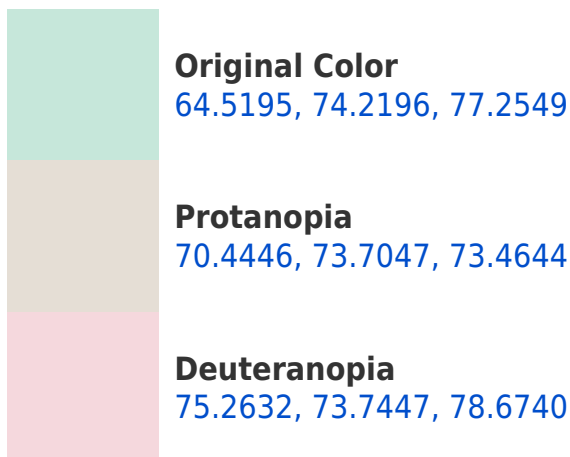
This preview shows how white text looks on a background with the XYZ color 64.5195, 74.2196,



# 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

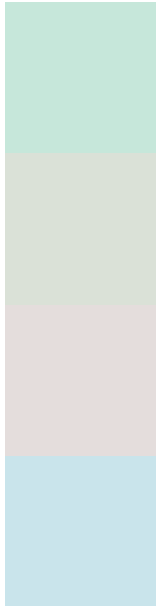




## Tritanopia

68.5791, 74.2273, 97.0990

# Trichromacy



## Original Color

64.5195, 74.2196, 77.2549

## Protanomaly

68.1044, 73.6622, 74.9187

## Deuteranomaly

70.7696, 73.3742, 78.1428

## Tritanomaly

66.8262, 73.9025, 89.3397

# Monochromacy



## Original Color

64.5195, 74.2196, 77.2549

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

66.5932, 72.4228, 77.4870

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.5195, 74.2196, 77.2549 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(198, 231, 218)` looks like.

```
.text, #text, p{  
    color:rgb(198, 231, 218)  
}
```

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(198, 231, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 231, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 64.5195, 74.2196, 77.2549 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(198, 231, 218) }
```



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

```
.border{ border-color:rgb(198, 231, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 231, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 231, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 231, 218);  
box-shadow:4px 4px 4px 4px rgb(198, 231,  
218) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.5195, 74.2196, 77.2549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 231, 218) }
```

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

```
.background{ background-color: rgb(198,  
231, 218) }
```

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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