

Converting Colors

XYZ(63.4890, 77.5047, 71.9873)

Have a look what the booklet for
XYZ(63.4890, 77.5047, 71.9873)
contains.

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Color

**XYZ(63.6550, 77.7424,
71.9724)**

Conversions

Conversions Part 1

Format	Color
Hex	BDF0D1
RGB	189, 240, 209
RGB Percent	74%, 94%, 82%
CMY	0.2588, 0.0588, 0.1804
CMYK	0.21, 0.00, 0.13, 0.06
HSL	144°, 63%, 84%
HSV	144°, 21%, 94%
XYZ	63.6550, 77.7424, 71.9724
YIQ	221.2170, -20.4450, -20.4530

Conversions

Conversions Part 2

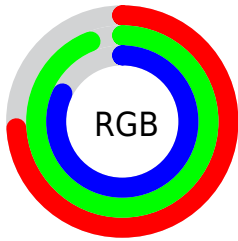
Format	Color
RYB	189, 226, 240
Decimal	12447953
CIELab	90.66, -22.29, 9.68
CIELCh	91, 24.305, 156.530
Yxy	77.7424, 0.2983, 0.3644
Android (android.graphics.Color)	4290638033 (0xFFBDF0D1)
YUV	221.2170, -6.0230, -28.2543
Hunter-Lab	88.1717, -25.4334, 13.3232

Details

The XYZ color **63.6550, 77.7424, 71.9724** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.0538, 60.0897, 75.7780**, and the grayscale version is **68.9327, 72.5225, 78.9770**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **33.0486, 41.7984, 37.3364** is the 20% darker color. If you saturate the color by 10%, you get **56.4629, 74.2362, 62.6354**, and if you desaturate by 10%, it is **72.0019, 81.8292, 82.2302**.

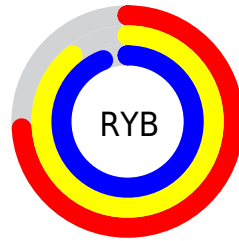
Distribution



Red (74%)

Green (94%)

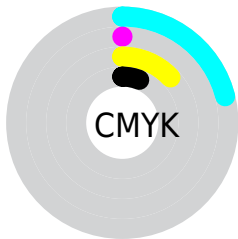
Blue (82%)



Red (74%)

Yellow (89%)

Blue (94%)

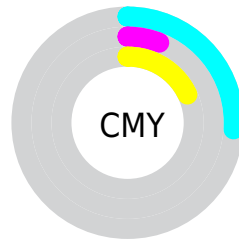


Cyan (21%)

Magenta (0%)

Yellow (13%)

Black (6%)



Cyan (26%)


Magenta (6%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.6550, 77.7424, 71.9724 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 63.6550, 77.7424, 71.9724 by changing the saturation by 10% instead.


 63.6550, 77.7424,
71.9724

 63.6550, 77.7424,
71.9724


427.5647,
487.2915, 486.4205

 46.6319, 57.8624,
52.6494


 109.1904,
130.1869, 123.7246

 32.9515, 41.6980,
37.1372


138.4335,
163.5202, 156.9910

 22.2484, 28.8649,
25.0171


172.4807,
202.1068, 195.7422

 14.1571, 18.9787,
15.8707

211.6973,
246.3309, 240.3969

 8.3125, 11.6549,
9.2793

256.4486,
296.5771, 291.3735

 4.3490, 6.5091,
4.8245

307.1000,

 1.9014, 3.1571,

353.2296, 349.0906

2.0877

364.0170,
416.6730, 413.9668

■ 0.5777, 1.2143,
0.6085

■ 0.0000, 0.0733,
0.0000

■ 63.6550, 77.7424,
71.9724

■ 63.6550, 77.7424,
71.9724

■ 56.4629, 74.2362,
62.6354

■ 72.0019, 81.8292,
82.2302

■ 50.3665, 71.2740,
54.1885

■ 81.5467, 86.5117,
93.4282

■ 45.3106, 68.8301,
46.6067

■ 90.0944, 90.6602,
105.4866

■ 41.2329, 66.8731,
39.8620

■ 90.4515, 90.8030,
107.3672

■ 38.0637, 65.3674,
33.9245

■ 35.7236, 64.2729,
28.7628

■ 34.1182, 63.5414,
24.3428

■ 33.1870, 63.1332,
21.0532

Harmonies

Analogous

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



67.1332, 77.7424, 60.4417



63.6550, 77.7424, 71.9724



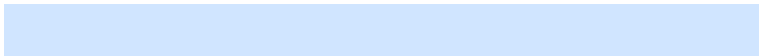
62.8495, 77.7424, 88.5228

Triad

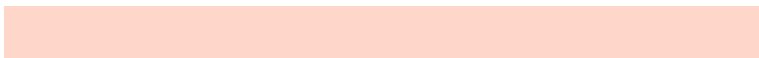
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.6550, 77.7424, 71.9724



75.2326, 77.7424, 122.5637



83.7145, 77.7424, 66.2006

Complementary

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



63.6550, 77.7424, 71.9724



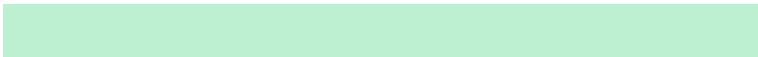
67.0538, 60.0897, 75.7780

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.



86.1573, 77.7424, 80.8885



63.6550, 77.7424, 71.9724



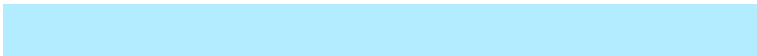
81.0894, 77.7424, 114.5833

Square

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



63.6550, 77.7424, 71.9724



69.3220, 77.7424, 119.3176



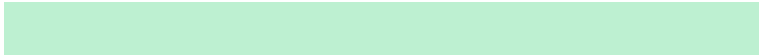
85.1712, 77.7424, 98.7314



78.6582, 77.7424, 57.4435

Rectangle

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



63.6550, 77.7424, 71.9724



63.8947, 77.7424, 100.5421



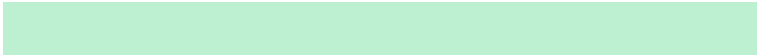
85.1712, 77.7424, 98.7314



84.8808, 77.7424, 70.5244

Sweetspot

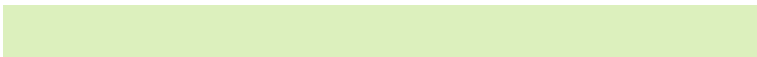
The Sweet Spot groups the original color and five complimentary colors.



63.6571, 77.7457, 71.9741



88.1819, 96.6282, 100.9507



69.9998, 81.2838, 60.1452



18.7211, 20.6072, 21.4275



0.0000, 0.0000, 0.0000



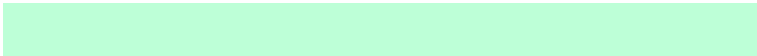
20.3446, 21.4041, 23.3091

Same Dimension

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



63.6571, 77.7457, 71.9741



68.8989, 87.1913, 77.2852



67.0074, 79.0858, 89.6164



15.8226, 17.7590, 18.0885



18.2271, 34.5828, 11.8446



1.5638, 2.8960, 1.2355

Inverse Universe

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



67.0538, 60.0897, 75.7780



73.5162, 63.1835, 82.4509



63.9798, 58.8601, 59.5906



16.1764, 15.9203, 18.4854



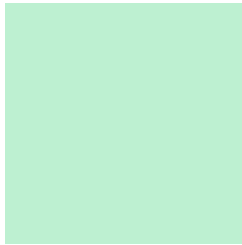
22.5741, 11.3021, 16.2058



1.9267, 0.9597, 1.6047

Previews

White Background



This preview shows how the XYZ color 63.6550, 77.7424, 71.9724 looks on a white background.

Color Contrast Check

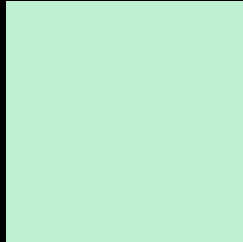
Large Text (above 18pt) WCAG AA × Fail

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 63.6550, 77.7424, 71.9724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

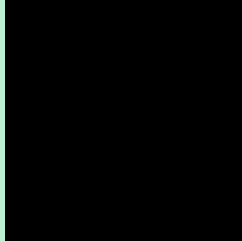
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

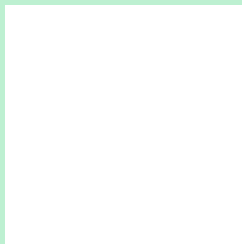
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.6550, 77.7424, 71.9724

Background



This preview shows how black text looks on a background with the XYZ color 63.6550, 77.7424, 71.9724.



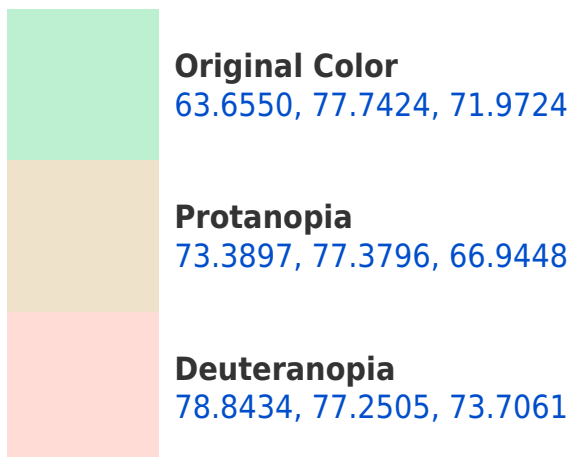
This preview shows how white text looks on a background with the XYZ color 63.6550, 77.7424,

71.9724.

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

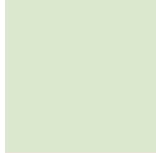
70.0195, 77.7442, 103.4112

Trichromacy



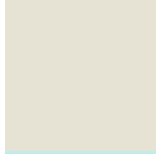
Original Color

63.6550, 77.7424, 71.9724



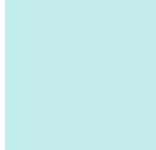
Protanomaly

69.3913, 77.3366, 69.0278



Deuteranomaly

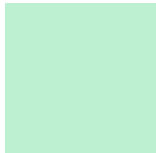
72.3077, 76.6806, 73.2772



Tritanomaly

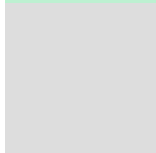
67.3839, 77.5164, 90.7675

Monochromacy



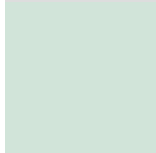
Original Color

63.6550, 77.7424, 71.9724



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

66.5623, 74.0519, 76.4309

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6550, 77.7424, 71.9724 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(189, 240, 209)` looks like.

```
.text, #text, p{  
    color:rgb(189, 240, 209)  
}
```

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(189, 240, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 240, 209) }
```

Border

The CSS property to change the border of an element to XYZ 63.6550, 77.7424, 71.9724 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(189, 240, 209) }
```


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

```
.border{ border-color:rgb(189, 240, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 240, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 240, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 240, 209);  
box-shadow:4px 4px 4px 4px rgb(189, 240,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6550, 77.7424, 71.9724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 240, 209) }
```

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

```
.background{ background-color: rgb(189,  
240, 209) }
```

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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