

Converting Colors

XYZ(63.2247, 77.7219, 72.0411)

Have a look what the booklet for
XYZ(63.2247, 77.7219, 72.0411)
contains.

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Color

**XYZ(63.1622, 77.4884,
71.9494)**

Conversions

Conversions Part 1

Format	Color
Hex	BBF0D1
RGB	187, 240, 209
RGB Percent	73%, 94%, 82%
CMY	0.2667, 0.0588, 0.1804
CMYK	0.22, 0.00, 0.13, 0.06
HSL	145°, 64%, 84%
HSV	145°, 22%, 94%
XYZ	63.1622, 77.4884, 71.9494
YIQ	220.6190, -21.6370, -20.8770

Conversions

Conversions Part 2

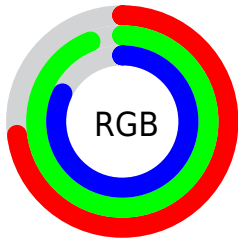
Format	Color
RYB	187, 224, 240
Decimal	12316881
CIELab	90.55, -22.93, 9.50
CIELCh	91, 24.815, 157.495
Yxy	77.4884, 0.2971, 0.3645
Android (android.graphics.Color)	4290506961 (0xFFBBF0D1)
YUV	220.6190, -5.7282, -29.4839
Hunter-Lab	88.0275, -25.9694, 13.1585

Details

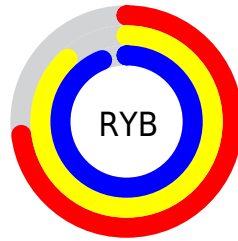
The XYZ color **63.1622, 77.4884, 71.9494** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.3630, 59.1297, 74.2483**, and the grayscale version is **68.5116, 72.0795, 78.4946**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **32.7298, 41.6341, 37.3215** is the 20% darker color. If you saturate the color by 10%, you get **56.1122, 74.0482, 62.9434**, and if you desaturate by 10%, it is **71.3509, 81.5022, 81.8115**.

Distribution



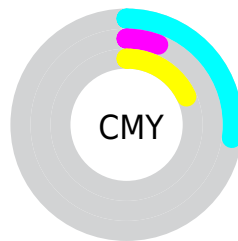
- Red (73%)
- Green (94%)
- Blue (82%)



- Red (73%)
- Yellow (88%)
- Blue (94%)



- Cyan (22%)
- Magenta (0%)
- Yellow (13%)
- Black (6%)





- Cyan (27%)
- Magenta (6%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.1622, 77.4884, 71.9494 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 63.1622, 77.4884, 71.9494 by changing the saturation by 10% instead.


 63.1622, 77.4884,
71.9494

 63.1622, 77.4884,
71.9494


425.8082,
486.4276, 486.3383

 46.2316, 57.6538,
52.6308

 108.4840,
129.8287, 123.6916

 32.6340, 41.5304,
37.1224


137.6059,
163.1032, 156.9523

 22.0041, 28.7338,
25.0057


171.5222,
201.6264, 195.6974

 13.9765, 18.8795,
15.8623

210.5983,
245.7828, 240.3455

 8.1859, 11.5832,
9.2734

255.1997,
295.9567, 291.3151

 4.2670, 6.4606,
4.8207

305.6915,

 1.8542, 3.1271,

352.5325, 349.0247

2.0856

362.4392,
415.8947, 413.8929

■ 0.5500, 1.1985,
0.6072

■ 0.0000, 0.0604,
0.0000

■ 63.1622, 77.4884,
71.9494

■ 63.1622, 77.4884,
71.9494

■ 56.1122, 74.0482,
62.9434

■ 71.3509, 81.5022,
81.8115

■ 50.1419, 71.1452,
54.7653

■ 80.7210, 86.1048,
92.5467

■ 45.1963, 68.7538,
47.3929

■ 89.8327, 90.5555,
104.1082

■ 41.2131, 66.8421,
40.8008

■ 90.4515, 90.8031,
107.3672

■ 38.1225, 65.3749,
34.9625

■ 35.8448, 64.3115,
29.8495

■ 34.2846, 63.6033,
25.4315

■ 33.4434, 63.2358,
22.4034

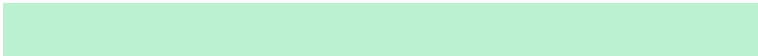
Harmonies

Analogous

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



66.6197, 77.4884, 60.0473



63.1622, 77.4884, 71.9494



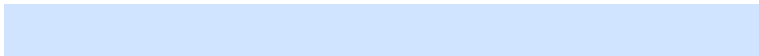
62.4364, 77.4884, 88.9108

Triad

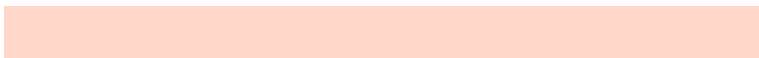
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.1622, 77.4884, 71.9494



75.2187, 77.4884, 123.0142



83.5346, 77.4884, 65.2237

Complementary

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



63.1622, 77.4884, 71.9494



66.3630, 59.1297, 74.2483

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.



86.1326, 77.4884, 79.9898



63.1622, 77.4884, 71.9494



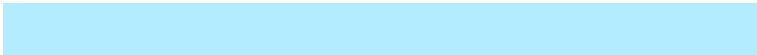
81.1591, 77.4884, 114.5110

Square

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



63.1622, 77.4884, 71.9494



69.1745, 77.4884, 120.0658



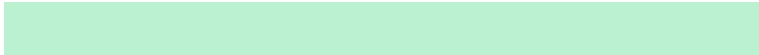
85.2398, 77.4884, 98.1473



78.3153, 77.4884, 56.5618

Rectangle

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



63.1622, 77.4884, 71.9494



63.5596, 77.4884, 101.1621



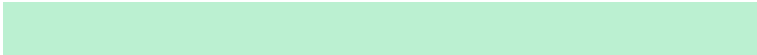
85.2398, 77.4884, 98.1473



84.7564, 77.4884, 69.5502

Sweetspot

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



63.1643, 77.4916, 71.9511



87.1493, 96.1160, 99.9927



69.2857, 80.9406, 58.9860



18.5146, 20.5046, 21.2432



0.0000, 0.0000, 0.0000



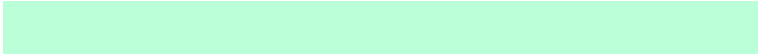
20.3446, 21.4041, 23.3091

Same Dimension

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



63.1643, 77.4916, 71.9511



68.2770, 86.8702, 77.2758



66.6082, 78.8692, 90.0864



15.8380, 17.7652, 18.1698



18.3692, 34.6397, 12.5933



1.5766, 2.9011, 1.3026

Inverse Universe

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



66.3630, 59.1297, 74.2483



72.6160, 61.9552, 80.3869



63.2555, 57.8867, 57.8841



16.1606, 15.9140, 18.4020



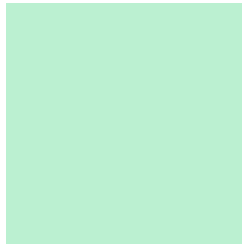
22.3460, 11.2108, 15.0046



1.9084, 0.9524, 1.5085

Previews

White Background



This preview shows how the XYZ color 63.1622, 77.4884, 71.9494 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 63.1622, 77.4884, 71.9494 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

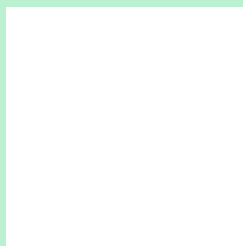
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.1622, 77.4884, 71.9494

Background



This preview shows how black text looks on a background with the XYZ color 63.1622, 77.4884, 71.9494.



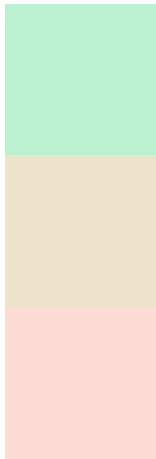
This preview shows how white text looks on a background with the XYZ color 63.1622, 77.4884,

71.9494.

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

63.1622, 77.4884, 71.9494

Protanopia

73.0548, 77.2070, 66.9291

Deuteranopia

78.2148, 76.5380, 73.6017



Tritanopia

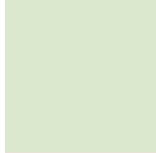
69.4992, 77.4760, 103.3868

Trichromacy



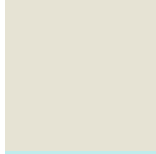
Original Color

63.1622, 77.4884, 71.9494



Protanomaly

69.0895, 77.1811, 69.0136



Deuteranomaly

71.9859, 76.5146, 73.2621



Tritanomaly

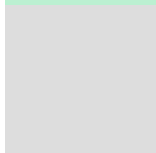
66.8740, 77.2535, 90.7437

Monochromacy



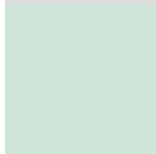
Original Color

63.1622, 77.4884, 71.9494



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 63.1622, 77.4884, 71.9494 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(187, 240, 209)` looks like.

```
.text, #text, p{  
    color:rgb(187, 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(187, 240, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 240, 209) }
```

Border

The CSS property to change the border of an element to XYZ 63.1622, 77.4884, 71.9494 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(187, 240, 209) }
```


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

```
.border{ border-color:rgb(187, 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(187, 240, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 240, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 240, 209);  
box-shadow:4px 4px 4px 4px rgb(187, 240,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 63.1622, 77.4884, 71.9494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 240, 209) }
```

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

```
.background{ background-color: rgb(187,  
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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