

Converting Colors

XYZ(63.0130, 77.0736, 67.4327)

Have a look what the booklet for
XYZ(63.0130, 77.0736, 67.4327)
contains.

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Color

**XYZ(63.0130, 77.0736,
67.4327)**

Conversions

Conversions Part 1

Format	Color
Hex	BFEFCA
RGB	191, 239, 202
RGB Percent	75%, 94%, 79%
CMY	0.2510, 0.0627, 0.2078
CMYK	0.20, 0.00, 0.15, 0.06
HSL	134°, 60%, 84%
HSV	134°, 20%, 94%
XYZ	63.0130, 77.0736, 67.4327
YIQ	220.4300, -16.7310, -21.6830

Conversions

Conversions Part 2

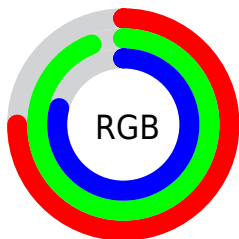
Format	Color
RYB	191, 230, 239
Decimal	12578762
CIELab	90.36, -22.45, 12.89
CIELCh	90, 25.888, 150.127
Yxy	77.0736, 0.3036, 0.3714
Android (android.graphics.Color)	4290768842 (0xFFBFEFCA)
YUV	220.4300, -9.0860, -25.8101
Hunter-Lab	87.7916, -25.5157, 15.9135

Details

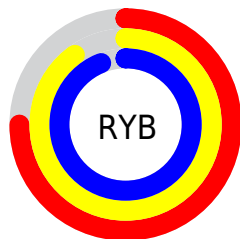
The XYZ color **63.0130, 77.0736, 67.4327** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.2336, 61.2155, 81.6215**, and the grayscale version is **68.3995, 71.9616, 78.3662**.

A 20% lighter version of the original color is **92.5214, 98.6965, 108.7817**, and **32.5953, 41.3235, 34.2752** is the 20% darker color. If you saturate the color by 10%, you get **55.4333, 73.4055, 56.3631**, and if you desaturate by 10%, it is **71.8382, 81.3580, 79.9233**.

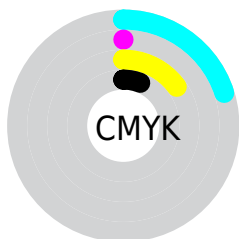
Distribution



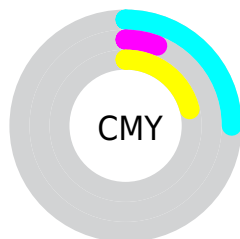
- Red (75%)
- Green (94%)
- Blue (79%)



- Red (75%)
- Yellow (90%)
- Blue (94%)



- Cyan (20%)
- Magenta (0%)
- Yellow (15%)
- Black (6%)





- Cyan (25%)
- Magenta (6%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.0130, 77.0736, 67.4327 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 63.0130, 77.0736, 67.4327 by changing the saturation by 10% instead.


 63.0130, 77.0736,
67.4327

 63.0130, 77.0736,
67.4327

425.2756,
485.0149, 470.0268

 46.1104, 57.3133,
48.9725


 108.2700,
129.2434, 117.1867

 32.5380, 41.2568,
34.2323


137.3551,
162.4216, 149.3177

 21.9303, 28.5198,
22.7933


171.2317,
200.8413, 186.8427

 13.9220, 18.7179,
14.2371

210.2653,
244.8868, 230.1802

 8.1478, 11.4666,
8.1451

254.8211,
294.9425, 279.7489

 4.2422, 6.3816,
4.0988

305.2645,

 1.8401, 3.0785,

351.3928, 335.9671

1.6797

361.9609,
414.6222, 399.2536

■ 0.5416, 1.1728,
0.3468

■ 0.0000, 0.0394,
0.0000

■ 63.0130, 77.0736,
67.4327

■ 63.0130, 77.0736,
67.4327

■ 55.4333, 73.4055,
56.3631

■ 71.8382, 81.3580,
79.9233

■ 49.0361, 70.3157,
46.6592

■ 81.9556, 86.2754,
93.8776

■ 43.7624, 67.7773,
38.2693

■ 90.1580, 90.2159,
107.2693

■ 39.5455, 65.7569,
31.1367

■ 36.3114, 64.2178,
25.2004

■ 33.9763, 63.1179,
20.3944

■ 32.4414, 62.4080,
16.6460

■ 31.5521, 62.0096,
13.8917

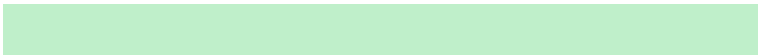
Harmonies

Analogous

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



67.2020, 77.0736, 56.7796



63.0130, 77.0736, 67.4327



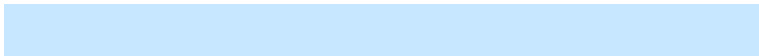
61.5334, 77.0736, 83.9989

Triad

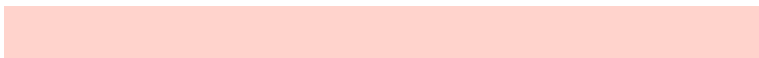
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.0130, 77.0736, 67.4327



73.2837, 77.0736, 124.7165



84.5229, 77.0736, 67.3147

Complementary

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



63.0130, 77.0736, 67.4327



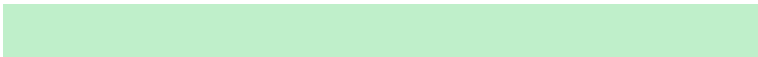
68.2336, 61.2155, 81.6215

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.



86.3806, 77.0736, 83.8412



63.0130, 77.0736, 67.4327



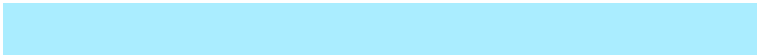
79.6634, 77.0736, 118.5678

Square

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



63.0130, 77.0736, 67.4327



67.2470, 77.0736, 118.6671



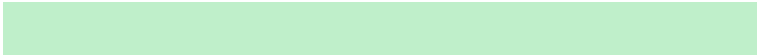
84.5532, 77.0736, 102.8970



79.6130, 77.0736, 56.7189

Rectangle

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



63.0130, 77.0736, 67.4327



62.2105, 77.0736, 96.7542



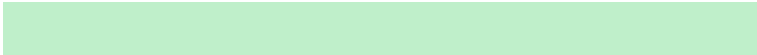
84.5532, 77.0736, 102.8970



85.5375, 77.0736, 72.2742

Sweetspot

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



63.0151, 77.0769, 67.4344



87.8022, 96.4763, 98.9515



72.4590, 82.0906, 61.3171



18.6316, 20.5713, 20.9560



0.0000, 0.0000, 0.0000



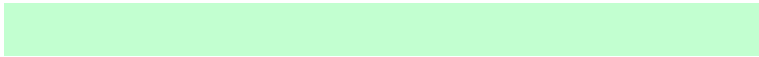
20.3446, 21.4041, 23.3091

Same Dimension

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



63.0151, 77.0769, 67.4344



69.3204, 87.5083, 72.7987



66.0000, 78.2708, 83.1527



15.7143, 17.7157, 17.5183



17.4768, 34.2827, 7.8935



1.4907, 2.8667, 0.8507

Inverse Universe

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



68.2336, 61.2155, 81.6215



76.3608, 66.1040, 91.9345



65.2009, 60.0024, 65.6515



16.2903, 15.9658, 19.0847



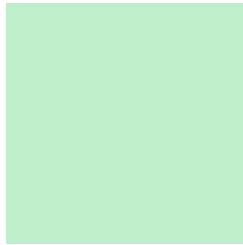
24.5184, 12.0798, 26.4444



2.0770, 1.0199, 2.3964

Previews

White Background



This preview shows how the XYZ color 63.0130, 77.0736, 67.4327 looks on a white background.

Color Contrast Check

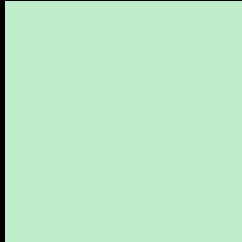
Large Text (above 18pt) WCAG AA × Fail

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 63.0130, 77.0736, 67.4327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

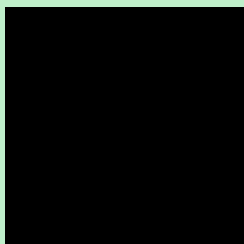
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

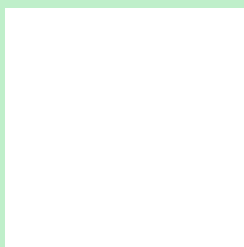
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.0130, 77.0736, 67.4327

Background



This preview shows how black text looks on a background with the XYZ color 63.0130, 77.0736, 67.4327.

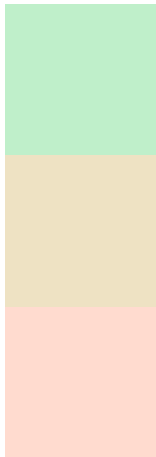


This preview shows how white text looks on a background with the XYZ color 63.0130, 77.0736,

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

63.0130, 77.0736, 67.4327

Protanopia

72.3066, 76.5100, 62.5867

Deuteranopia

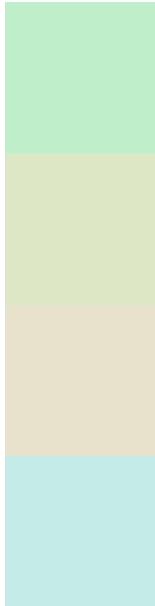
77.8340, 76.4280, 69.6813



Tritanopia

70.0886, 76.9576, 102.4270

Trichromacy



Original Color

63.0130, 77.0736, 67.4327

Protanomaly

68.5878, 76.6012, 64.5966

Deuteranomaly

71.4945, 75.9563, 68.6505

Tritanomaly

67.4423, 77.1702, 88.4315

Monochromacy



Original Color

63.0130, 77.0736, 67.4327

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

65.7738, 73.2976, 73.6320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.0130, 77.0736, 67.4327 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(191, 239, 202)` looks like.

```
.text, #text, p{  
    color:rgb(191, 239, 202)  
}
```

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(191, 239, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 239, 202) }
```

Border

The CSS property to change the border of an element to XYZ 63.0130, 77.0736, 67.4327 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(191, 239, 202) }
```


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

```
.border{ border-color:rgb(191, 239, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 239, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 239, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 239, 202);  
box-shadow:4px 4px 4px 4px rgb(191, 239,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 63.0130, 77.0736, 67.4327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 239, 202) }
```

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

```
.background{ background-color: rgb(191,  
239, 202) }
```

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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