

Converting Colors

XYZ(63.7213, 78.2746, 74.9550)

Have a look what the booklet for
XYZ(63.7213, 78.2746, 74.9550)
contains.

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Color

**XYZ(63.4731, 78.0290,
74.6665)**

Conversions

Conversions Part 1

Format	Color
Hex	B9F1D5
RGB	185, 241, 213
RGB Percent	73%, 95%, 84%
CMY	0.2745, 0.0549, 0.1647
CMYK	0.23, 0.00, 0.12, 0.05
HSL	150°, 67%, 84%
HSV	150°, 23%, 95%
XYZ	63.4731, 78.0290, 74.6665
YIQ	221.0640, -24.3880, -20.5800

Conversions

Conversions Part 2

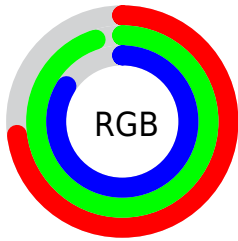
Format	Color
RYB	185, 222, 241
Decimal	12186069
CIELab	90.79, -23.28, 7.76
CIElCh	91, 24.535, 161.565
Yxy	78.0290, 0.2936, 0.3610
Android (android.graphics.Color)	4290376149 (0xFFB9F1D5)
YUV	221.0640, -3.9756, -31.6281
Hunter-Lab	88.3340, -26.3220, 11.7175

Details

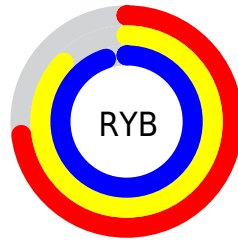
The XYZ color **63.4731, 78.0290, 74.6665** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.6375, 58.2047, 70.7292**, and the grayscale version is **68.8132, 72.3969, 78.8402**.

A 20% lighter version of the original color is **90.4279, 97.6172, 108.6837**, and **32.8806, 41.9918, 38.7200** is the 20% darker color. If you saturate the color by 10%, you get **56.6717, 74.6951, 66.6588**, and if you desaturate by 10%, it is **71.3780, 81.9229, 83.3226**.

Distribution



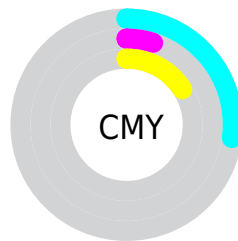
- Red (73%)
- Green (95%)
- Blue (84%)



- Red (73%)
- Yellow (87%)
- Blue (95%)



- Cyan (23%)
- Magenta (0%)
- Yellow (12%)
- Black (5%)





- Cyan (27%)
- Magenta (5%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.4731, 78.0290, 74.6665 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 63.4731, 78.0290, 74.6665 by changing the saturation by 10% instead.


 63.4731, 78.0290,
74.6665

 63.4731, 78.0290,
74.6665


426.9169,
488.2653, 495.9953

 46.4841, 58.0978,
54.8396


 108.9297,
130.5910, 127.5829

 32.8343, 41.8873,
38.8756


138.1281,
163.9906, 161.5095

 22.1581, 29.0130,
26.3559


172.1271,
202.6484, 200.9732

 14.0904, 19.0907,
16.8619

211.2918,
246.9489, 246.3924

 8.2657, 11.7358,
9.9752

255.9879,
297.2765, 298.1856

 4.3187, 6.5641,
5.2771

306.5805,


 1.8839, 3.1910,


354.0155, 356.7715


2.3492


363.4350,
417.5503, 422.5686


 0.5675, 1.2322,
0.7586


 0.0000, 0.0878,
0.0000


 63.4731, 78.0290,
74.6665


 63.4731, 78.0290,
74.6665


 56.6717, 74.6951,
66.6588


 71.3780, 81.9229,
83.3226

 50.9151, 71.8849,
59.2789

 80.4285, 86.3918,
92.6365

 46.1491, 69.5727,
52.5127

 89.8198, 91.0228,
102.5841

 42.3115, 67.7269,
46.3436

 90.7468, 91.3935,
107.4656

■ 39.3327, 66.3119,
40.7541

■ 37.1326, 65.2868,
35.7255

■ 35.6145, 64.6019,
31.2379

■ 34.8771, 64.2817,
28.4969

Harmonies

Analogous

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



66.5711, 78.0290, 61.9983



63.4731, 78.0290, 74.6665



63.1421, 78.0290, 91.9529

Triad

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



63.4731, 78.0290, 74.6665



76.5672, 78.0290, 122.7667



83.3957, 78.0290, 64.3601

Complementary

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



63.4731, 78.0290, 74.6665



65.6375, 58.2047, 70.7292

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.



86.3997, 78.0290, 78.3315



63.4731, 78.0290, 74.6665



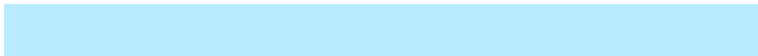
82.3138, 78.0290, 112.9893

Square

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



63.4731, 78.0290, 74.6665



70.4770, 78.0290, 121.4254



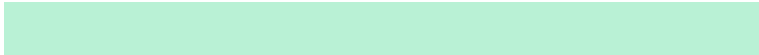
85.9931, 78.0290, 96.1592



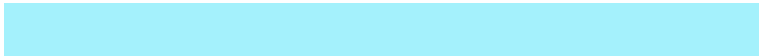
77.9779, 78.0290, 56.6414

Rectangle

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



63.4731, 78.0290, 74.6665



64.5118, 78.0290, 104.0079



85.9931, 78.0290, 96.1592



84.7344, 78.0290, 68.3929

Sweetspot

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



63.4753, 78.0322, 74.6682



87.3812, 96.2088, 101.2134



67.9270, 80.7030, 57.8970



18.5683, 20.5260, 21.5257



0.0000, 0.0000, 0.0000



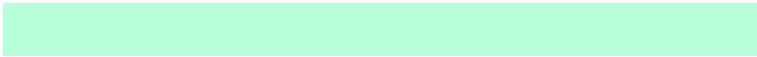
20.3446, 21.4041, 23.3091

Same Dimension

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



63.4753, 78.0322, 74.6682



68.2569, 86.7912, 80.3786



67.2036, 79.5236, 94.3014



15.8955, 17.7882, 18.4727



18.9803, 34.8841, 15.8112



1.6292, 2.9221, 1.5798

Inverse Universe

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



65.6375, 58.2047, 70.7292



71.1235, 60.5054, 75.1565



62.4827, 56.9427, 54.1161



16.1024, 15.8907, 18.0957



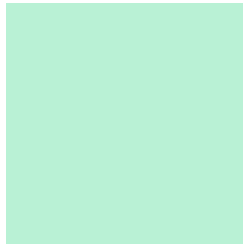
21.5947, 10.9103, 11.0483



1.8467, 0.9277, 1.1836

Previews

White Background



This preview shows how the XYZ color 63.4731, 78.0290, 74.6665 looks on a white background.

Color Contrast Check

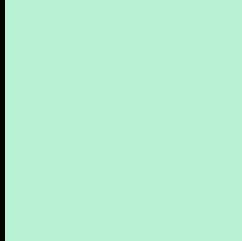
Large Text (above 18pt) WCAG AA × Fail

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 63.4731, 78.0290, 74.6665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

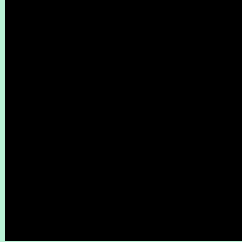
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

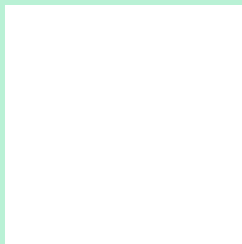
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.4731, 78.0290, 74.6665

Background



This preview shows how black text looks on a background with the XYZ color 63.4731, 78.0290, 74.6665.



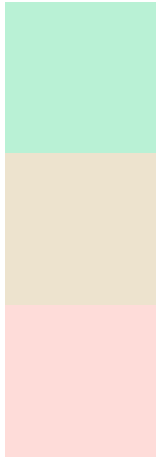
This preview shows how white text looks on a background with the XYZ color 63.4731, 78.0290,

74.6665.

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

63.4731, 78.0290, 74.6665

Protanopia

73.5347, 77.3989, 69.4563

Deuteranopia

78.9906, 77.2670, 76.3964



Tritanopia

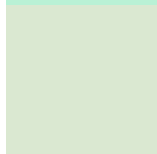
69.5900, 77.9099, 105.1363

Trichromacy



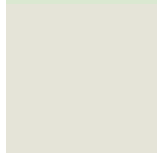
Original Color

63.4731, 78.0290, 74.6665



Protanomaly

69.2787, 77.2221, 71.5756



Deuteranomaly

72.4512, 77.1027, 76.0295



Tritanomaly

67.0994, 77.7475, 93.1316

Monochromacy



Original Color

63.4731, 78.0290, 74.6665



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

66.4107, 73.9587, 77.1049

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4731, 78.0290, 74.6665 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(185, 241, 213)` looks like.

```
.text, #text, p{  
    color:rgb(185, 241, 213)  
}
```

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(185, 241, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 241, 213) }
```

Border

The CSS property to change the border of an element to XYZ 63.4731, 78.0290, 74.6665 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(185, 241, 213) }
```


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

```
.border{ border-color:rgb(185, 241, 213) }
```

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

Here you see how a box with a 4 pixel rgb(185, 241, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 241, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 241, 213);  
box-shadow:4px 4px 4px 4px rgb(185, 241,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4731, 78.0290, 74.6665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 241, 213) }
```

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

```
.background{ background-color: rgb(185,  
241, 213) }
```

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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