

Converting Colors

XYZ(68.7429, 78.2612, 73.9169)

Have a look what the booklet for
XYZ(68.7429, 78.2612, 73.9169)
contains.

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Color

**XYZ(68.7434, 78.1672,
73.7520)**

Conversions

Conversions Part 1

Format	Color
Hex	D4EBD4
RGB	212, 235, 212
RGB Percent	83%, 92%, 83%
CMY	0.1686, 0.0784, 0.1686
CMYK	0.10, 0.00, 0.10, 0.08
HSL	120°, 37%, 88%
HSV	120°, 10%, 92%
XYZ	68.7434, 78.1672, 73.7520
YIQ	225.5010, -6.3250, -12.0290

Conversions

Conversions Part 2

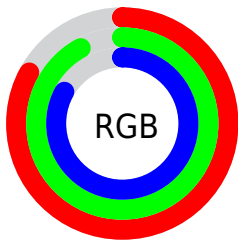
Format	Color
R_{YB}	212, 235, 235
Decimal	13954004
CIE Lab	90.86, -11.77, 8.59
CIE LCh	91, 14.573, 143.880
Yxy	78.1672, 0.3115, 0.3542
Android (android.graphics.Color)	4292144084 (0xFFD4EBD4)
YUV	225.5010, -6.6560, -11.8404
Hunter-Lab	88.4122, -15.9318, 12.4298

Details

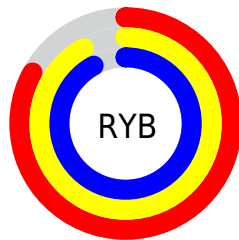
The XYZ color **68.7434, 78.1672, 73.7520** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.8027, 70.7492, 88.4199**, and the grayscale version is **71.9802, 75.7287, 82.4686**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.1105, 41.8426, 38.0715** is the 20% darker color. If you saturate the color by 10%, you get **59.7038, 73.8273, 58.9644**, and if you desaturate by 10%, it is **79.2048, 83.1947, 90.8617**.

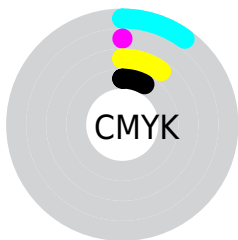
Distribution



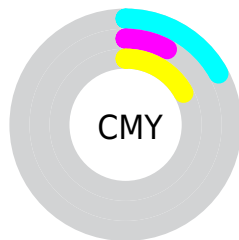
- Red (83%)
- Green (92%)
- Blue (83%)



- Red (83%)
- Yellow (92%)
- Blue (92%)



- Cyan (10%)
- Magenta (0%)
- Yellow (10%)
- Black (8%)



- Cyan (17%)
- Magenta (8%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.7434, 78.1672, 73.7520 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 68.7434, 78.1672, 73.7520 by changing the saturation by 10% instead.

68.7434, 78.1672,
73.7520

68.7434, 78.1672,
73.7520

445.4610,
488.7345, 492.7575

50.7786, 58.2113,
54.0955

116.4511,
130.7858, 126.2750

36.2528, 41.9786,
38.2843

146.9247,
164.2173, 159.9786

24.8005, 29.0845,
25.8999

182.2987,
202.9095, 199.2016

16.0564, 19.1448,
16.5237

222.9383,
247.2468, 244.3626

9.6552, 11.7749,
9.7371

269.2090,
297.6135, 295.8802

5.2315, 6.5906,
5.1217

321.4761,

2.4198, 3.2074,

354.3941, 354.1728

2.2589

380.1050,
417.9730, 419.6591

■ 0.8550, 1.2410,
0.7080

■ 0.0000, 0.0948,
0.0000

■ 68.7434, 78.1672,
73.7520

■ 68.7434, 78.1672,
73.7520

■ 59.7038, 73.8273,
58.9644

■ 79.2048, 83.1947,
90.8617

■ 52.0187, 70.1358,
46.3939

■ 88.9999, 87.8997,
106.8833

■ 45.6247, 67.0644,
35.9354

■ 40.4511, 64.5793,
27.4730

■ 36.4202, 62.6430,
20.8797

■ 33.4456, 61.2142,
16.0142

■ 31.4285, 60.2453,
12.7146

■ 30.2514, 59.6798,
10.7891

■ 29.7188, 59.4240,
9.9180

Harmonies

Analogous

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



71.4771, 78.1672, 67.9468



68.7434, 78.1672, 73.7520



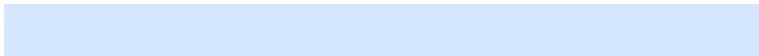
67.5020, 78.1672, 82.9759

Triad

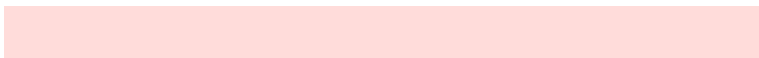
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.7434, 78.1672, 73.7520



73.5463, 78.1672, 106.8129



80.9322, 78.1672, 77.1937

Complementary

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



68.7434, 78.1672, 73.7520



72.8027, 70.7492, 88.4199

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.



81.5303, 78.1672, 87.2820



68.7434, 78.1672, 73.7520



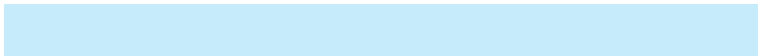
77.1872, 78.1672, 104.9462

Square

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



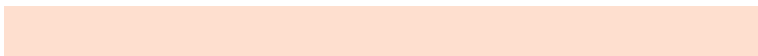
68.7434, 78.1672, 73.7520



70.2157, 78.1672, 102.4898



80.1389, 78.1672, 97.5798



78.5306, 78.1672, 69.8166

Rectangle

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



68.7434, 78.1672, 73.7520



67.6576, 78.1672, 90.0483



80.1389, 78.1672, 97.5798



81.3541, 78.1672, 80.3571

Sweetspot

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



68.7456, 78.1705, 73.7537



91.0839, 98.0949, 102.4128



75.8564, 81.8363, 74.0862



19.2746, 20.8901, 21.5589



0.0000, 0.0000, 0.0000



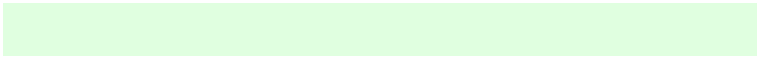
20.3446, 21.4041, 23.3091

Same Dimension

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



68.7456, 78.1705, 73.7537



80.1335, 92.8349, 84.5016



70.2489, 78.7719, 81.6704



14.8684, 16.8622, 15.9899



16.5341, 33.0681, 5.5114



1.2983, 2.5966, 0.4328

Inverse Universe

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



72.8027, 70.7492, 88.4199



86.0532, 82.0065, 105.9007



71.1938, 70.1057, 79.9478



15.7149, 15.3138, 19.0498



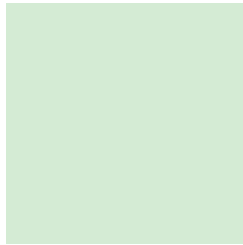
27.4131, 13.1679, 44.8382



2.1526, 1.0340, 3.5209

Previews

White Background



This preview shows how the XYZ color 68.7434, 78.1672, 73.7520 looks on a white background.

Color Contrast Check

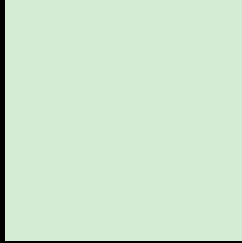
Large Text (above 18pt) WCAG AA × Fail

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 68.7434, 78.1672, 73.7520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

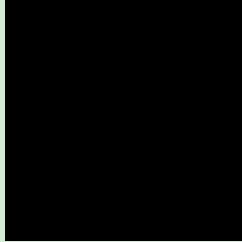
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

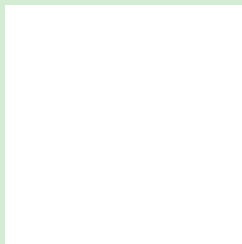
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.7434, 78.1672, 73.7520

Background



This preview shows how black text looks on a background with the XYZ color 68.7434, 78.1672, 73.7520.



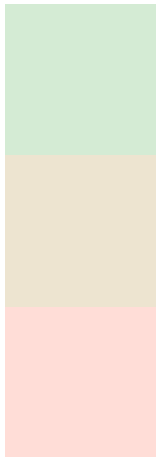
This preview shows how white text looks on a background with the XYZ color 68.7434, 78.1672,

73.7520.

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

68.7434, 78.1672, 73.7520

Protanopia

74.0536, 78.0454, 70.8357

Deuteranopia

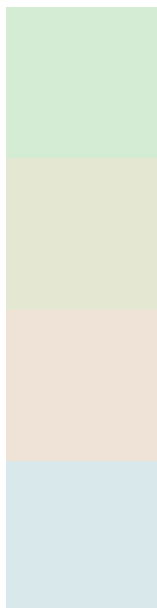
79.3622, 77.8792, 75.1393



Tritanopia

74.1535, 78.2764, 100.0075

Trichromacy



Original Color

68.7434, 78.1672, 73.7520

Protanomaly

72.0794, 78.2493, 71.6262

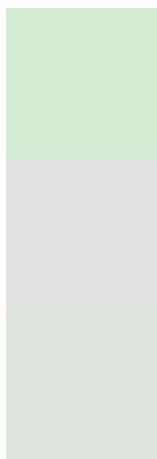
Deuteranomaly

74.9306, 77.5985, 74.6471

Tritanomaly

72.1709, 78.3103, 89.9089

Monochromacy



Original Color

68.7434, 78.1672, 73.7520

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

70.8893, 76.6312, 79.4617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7434, 78.1672, 73.7520 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(212, 235, 212)` looks like.

```
.text, #text, p{  
    color:rgb(212, 235, 212)  
}
```

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(212, 235, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 235, 212) }
```

Border

The CSS property to change the border of an element to XYZ 68.7434, 78.1672, 73.7520 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(212, 235, 212) }
```


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

```
.border{ border-color:rgb(212, 235, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 235, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 235, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 235, 212);  
box-shadow:4px 4px 4px 4px rgb(212, 235,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7434, 78.1672, 73.7520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 235, 212) }
```

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

```
.background{ background-color: rgb(212,  
235, 212) }
```

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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