

Converting Colors

XYZ(68.3210, 74.7796, 84.2341)

Have a look what the booklet for
XYZ(68.3210, 74.7796, 84.2341)
contains.

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Color

**XYZ(68.3253, 74.7899,
84.2335)**

Conversions

Conversions Part 1

Format	Color
Hex	D2E4E4
RGB	210, 228, 228
RGB Percent	82%, 89%, 89%
CMY	0.1765, 0.1059, 0.1059
CMYK	0.08, 0.00, 0.00, 0.11
HSL	180°, 25%, 86%
HSV	180°, 8%, 89%
XYZ	68.3253, 74.7899, 84.2335
YIQ	222.6180, -10.7280, -3.8160

Conversions

Conversions Part 2

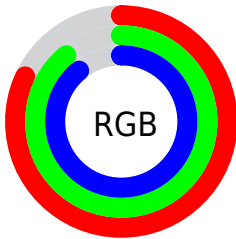
Format	Color
R _Y B	210, 219, 228
Decimal	13821156
CIE Lab	89.29, -5.95, -2.06
CIE LCh	89, 6.298, 199.067
Yxy	74.7899, 0.3005, 0.3290
Android (android.graphics.Color)	4292011236 (0xFFD2E4E4)
YUV	222.6180, 2.6533, -11.0660
Hunter-Lab	86.4812, -10.3163, 2.7878

Details

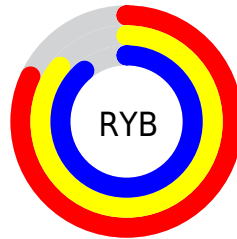
The XYZ color **68.3253, 74.7899, 84.2335** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.6771, 67.2422, 70.4410**, and the grayscale version is **69.8573, 73.4953, 80.0364**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.0040, 39.8728, 45.3338** is the 20% darker color. If you saturate the color by 10%, you get **62.2907, 71.6811, 83.9493**, and if you desaturate by 10%, it is **75.2890, 78.3818, 84.5643**.

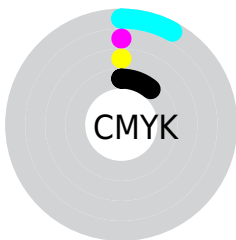
Distribution



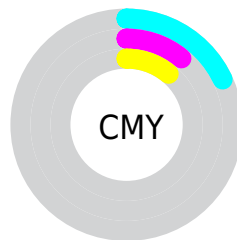
- Red (82%)
- Green (89%)
- Blue (89%)



- Red (82%)
- Yellow (86%)
- Blue (89%)



- Cyan (8%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



- Cyan (18%)
- Magenta (11%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.3253, 74.7899, 84.2335 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 68.3253, 74.7899, 84.2335 by changing the saturation by 10% instead.

■ 68.3253, 74.7899,
84.2335

■ 68.3253, 74.7899,
84.2335

444.0064,
477.1951, 529.1666

■ 50.4371, 55.4408,
62.6617

115.8567,
126.0149, 141.1664

■ 35.9800, 39.7547,
45.1284

146.2307,
158.6596, 177.3646

■ 24.5888, 27.3474,
31.2149

181.4972,
196.5049, 219.2754

■ 15.8981, 17.8343,
20.5027

222.0217,
239.9353, 267.3173

■ 9.5424, 10.8311,
12.5733

268.1695,
289.3351, 321.9088

■ 5.1566, 5.9534,
7.0081

320.3060,

■ 2.3751, 2.8167,

345.0888, 383.4685

3.3887

378.7965,
407.5806, 452.4149

■ 0.8327, 1.0368,
1.2963

■ 0.0000, 0.0000,
0.0588

■ 68.3253, 74.7899,
84.2335

■ 68.3253, 74.7899,
84.2335

■ 62.2907, 71.6811,
83.9493

■ 75.2890, 78.3818,
84.5643

■ 57.1400, 69.0259,
83.7049

■ 82.9899, 82.3517,
84.9281

■ 52.8335, 66.8059,
83.5000

■ 82.9906, 82.3519,
84.9314

■ 49.3263, 64.9979,
83.3325

■ 82.9912, 82.3522,
84.9348

■ 46.5692, 63.5766,
83.2001

■ 82.9918, 82.3525,
84.9382

■ 44.5075, 62.5139,
83.1003

■ 82.9925, 82.3527,
84.9416

■ 43.0792, 61.7776,
83.0301

■ 82.9931, 82.3530,
84.9450

■ 42.2114, 61.3304,
82.9861

■ 82.9938, 82.3532,
84.9484

■ 41.8029, 61.1198,
82.9636

■ 82.9944, 82.3535,
84.9518

Harmonies

Analogous

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



68.2195, 74.7899, 79.8368



68.3253, 74.7899, 84.2335



69.1644, 74.7899, 88.0052

Triad

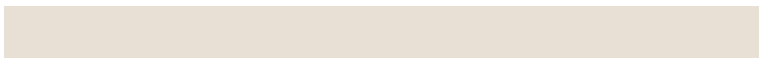
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.3253, 74.7899, 84.2335



73.3446, 74.7899, 87.1130



71.6482, 74.7899, 73.3928

Complementary

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



68.3253, 74.7899, 84.2335



66.6771, 67.2422, 70.4410

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.



73.0420, 74.7899, 75.1973



68.3253, 74.7899, 84.2335



74.0307, 74.7899, 83.0514

Square

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



68.3253, 74.7899, 84.2335



72.0566, 74.7899, 89.7087



73.9192, 74.7899, 78.6962



70.1232, 74.7899, 73.6835

Rectangle

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



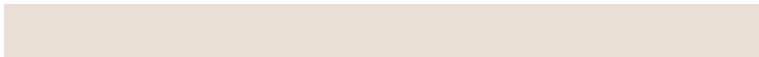
68.3253, 74.7899, 84.2335



70.0336, 74.7899, 89.6081



73.9192, 74.7899, 78.6962



72.1480, 74.7899, 73.7718

Sweetspot

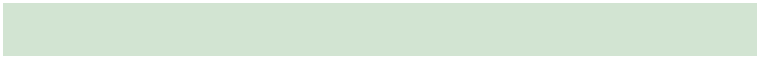
The Sweet Spot groups the original color and five complimentary colors.



68.3274, 74.7931, 84.2352



93.1983, 99.0455, 108.8125



66.0422, 73.8888, 71.7550



19.9677, 21.2098, 23.2913



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

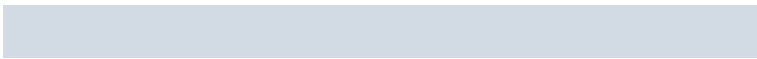
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.3274, 74.7931, 84.2352



87.1042, 95.9039, 108.5242



65.9939, 70.1251, 83.4598



14.8074, 16.3364, 18.5164



24.1026, 35.2731, 47.9021



1.7811, 2.6066, 3.5400

Inverse Universe

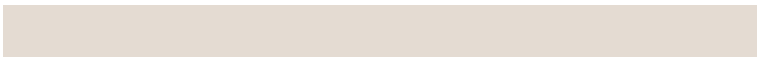
The Inverse Universe completely reimagines the original color for something new.



66.6771, 67.2422, 70.4410



84.6839, 84.8307, 88.2953



68.8838, 71.6564, 71.1744



14.3772, 14.3681, 14.9206



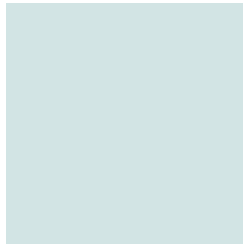
18.4752, 9.5243, 0.8657



1.3653, 0.7038, 0.0642

Previews

White Background



This preview shows how the XYZ color 68.3253, 74.7899, 84.2335 looks on a white background.

Color Contrast Check

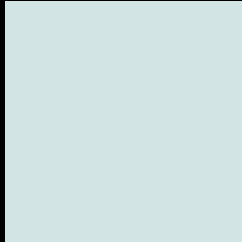
Large Text (above 18pt) WCAG AA × Fail

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 68.3253, 74.7899, 84.2335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

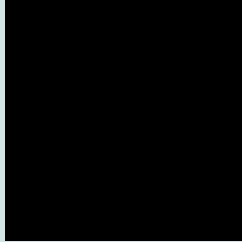
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

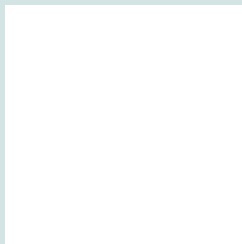
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.3253, 74.7899, 84.2335

Background



This preview shows how black text looks on a background with the XYZ color 68.3253, 74.7899, 84.2335.

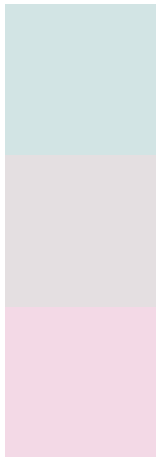


This preview shows how white text looks on a background with the XYZ color 68.3253, 74.7899,

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

68.3253, 74.7899, 84.2335

Protanopia

71.9732, 74.7056, 81.8604

Deuteranopia

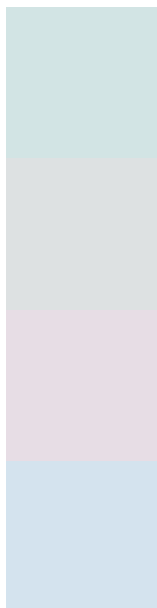
76.0579, 74.3936, 85.2136



Tritanopia

70.9661, 75.0705, 96.3377

Trichromacy



Original Color

68.3253, 74.7899, 84.2335

Protanomaly

70.4715, 74.7136, 82.6584

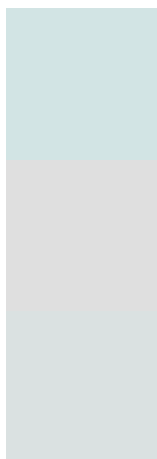
Deuteranomaly

72.9543, 74.3590, 84.6364

Tritanomaly

70.0531, 75.1083, 91.6941

Monochromacy



Original Color

68.3253, 74.7899, 84.2335

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.4293, 74.1921, 81.8954

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3253, 74.7899, 84.2335 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(210, 228, 228) looks like.

```
.text, #text, p{  
    color:rgb(210, 228, 228)  
}
```

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(210, 228, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 228, 228) }
```

Border

The CSS property to change the border of an element to XYZ 68.3253, 74.7899, 84.2335 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(210, 228, 228) }
```


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

```
.border{ border-color:rgb(210, 228, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 228, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 228, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 228, 228);  
box-shadow:4px 4px 4px 4px rgb(210, 228,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3253, 74.7899, 84.2335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 228, 228) }
```

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

```
.background{ background-color: rgb(210,  
228, 228) }
```

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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