

Converting Colors

XYZ(68.3363, 77.1775, 70.2256)

Have a look what the booklet for
XYZ(68.3363, 77.1775, 70.2256)
contains.

XYZ(68.4257, 77.2299, 70.3319)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(68.4257, 77.2299,
70.3319)**

Conversions

Conversions Part 1

Format	Color
Hex	D7E9CF
RGB	215, 233, 207
RGB Percent	84%, 91%, 81%
CMY	0.1569, 0.0863, 0.1882
CMYK	0.08, 0.00, 0.11, 0.09
HSL	102°, 37%, 86%
HSV	102°, 11%, 91%
XYZ	68.4257, 77.2299, 70.3319
YIQ	224.6540, -2.3820, -11.9020

Conversions

Conversions Part 2

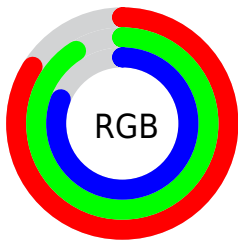
Format	Color
R_{YB}	207, 233, 225
Decimal	14150095
CIE _{Lab}	90.43, -10.62, 10.61
CIE _{LCh}	90, 15.008, 135.018
Yxy	77.2299, 0.3168, 0.3576
Android (android.graphics.Color)	4292340175 (0xFFD7E9CF)
YUV	224.6540, -8.7034, -8.4666
Hunter-Lab	87.8805, -14.8070, 14.0659

Details

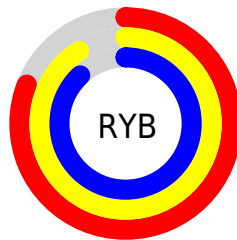
The XYZ color **68.4257, 77.2299, 70.3319** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **68.0752, 66.5185, 86.3463**, and the grayscale version is **71.3831, 75.1006, 81.7846**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.9691, 41.2178, 36.1970** is the 20% darker color. If you saturate the color by 10%, you get **61.2792, 73.8532, 56.2087**, and if you desaturate by 10%, it is **76.4641, 81.0223, 86.6945**.

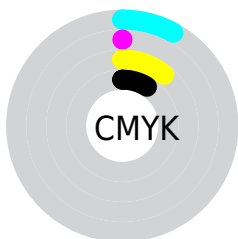
Distribution



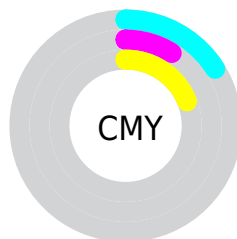
- Red (84%)
- Green (91%)
- Blue (81%)



- Red (81%)
- Yellow (91%)
- Blue (88%)



- Cyan (8%)
- Magenta (0%)
- Yellow (11%)
- Black (9%)



- Cyan (16%)
- Magenta (9%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.4257, 77.2299, 70.3319 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 68.4257, 77.2299, 70.3319 by changing the saturation by 10% instead.

68.4257, 77.2299,
70.3319

68.4257, 77.2299,
70.3319

444.3559,
485.5475, 480.5351

50.5191, 57.4416,
51.3187

115.9995,
129.4640, 121.3675

36.0455, 41.3599,
36.0838

146.3974,
162.6785, 154.2270

24.6396, 28.6004,
24.2087

181.6897,
201.1372, 192.5389

15.9361, 18.7787,
15.2749

222.2419,
245.2245, 236.7219

9.5695, 11.5105,
8.8638

268.4193,
295.3248, 287.1945

5.1745, 6.4113,
4.5568

320.5871,

2.3858, 3.0968,

351.8225, 344.3752

1.9355

379.1109,
415.1019, 408.6825

■ 0.8380, 1.1825,
0.5152

■ 0.0000, 0.0473,
0.0000

■ 68.4257, 77.2299,
70.3319

■ 68.4257, 77.2299,
70.3319

■ 61.2792, 73.8532,
56.2087

■ 76.4641, 81.0223,
86.6945

■ 54.9863, 70.8679,
44.2226

■ 85.4182, 85.2339,
105.3826

■ 49.5156, 68.2622,
34.2708

■ 88.4305, 86.7609,
106.6935

■ 44.8307, 66.0200,
26.2401

■ 40.8926, 64.1237,
20.0065

■ 37.6586, 62.5544,
15.4309

■ 35.0808, 61.2910,
12.3542

■ 33.1043, 60.3091,
10.5861

■ 31.7890, 59.6463,
9.8374

Harmonies

Analogous

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



71.5536, 77.2299, 65.6945



68.4257, 77.2299, 70.3319



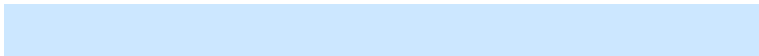
66.6627, 77.2299, 78.8682

Triad

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



68.4257, 77.2299, 70.3319



71.5579, 77.2299, 105.6385



80.5854, 77.2299, 78.8561

Complementary

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



68.4257, 77.2299, 70.3319



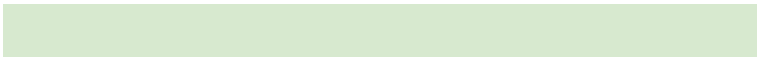
68.0752, 66.5185, 86.3463

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.



80.5867, 77.2299, 89.5378



68.4257, 77.2299, 70.3319



75.2875, 77.2299, 105.6346

Square

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



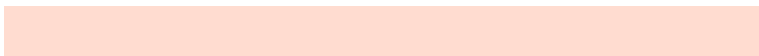
68.4257, 77.2299, 70.3319



68.4288, 77.2299, 99.5455



78.6196, 77.2299, 99.5351



78.6162, 77.2299, 70.3237

Rectangle

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



68.4257, 77.2299, 70.3319



66.4591, 77.2299, 85.9080



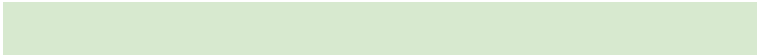
78.6196, 77.2299, 99.5351



80.8181, 77.2299, 82.2983

Sweetspot

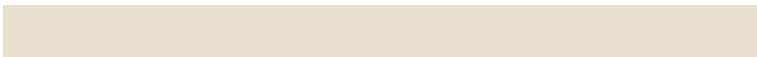
The Sweet Spot groups the original color and five complimentary colors.



68.4278, 77.2332, 70.3336



91.9207, 98.5263, 102.4519



71.7321, 75.5563, 69.8357



19.4995, 21.0061, 21.5694



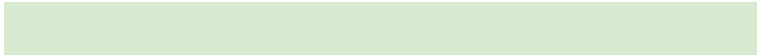
0.0000, 0.0000, 0.0000



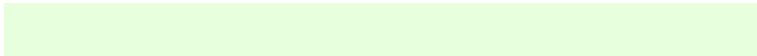
20.3446, 21.4041, 23.3091

Same Dimension

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



68.4278, 77.2332, 70.3336



82.2189, 93.9497, 82.8026



66.7276, 76.2884, 73.3430



15.3042, 17.0868, 16.0102



18.1479, 33.9001, 5.5869



1.5202, 2.7110, 0.4432

Inverse Universe

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



68.0752, 66.5185, 86.3463



81.7187, 78.7598, 105.5029



69.9560, 67.5657, 82.9266



15.2378, 15.0678, 19.0275



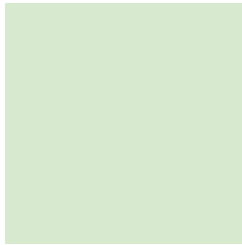
16.8550, 7.7250, 44.3457



1.4210, 0.6569, 3.4868

Previews

White Background



This preview shows how the XYZ color 68.4257, 77.2299, 70.3319 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 68.4257, 77.2299, 70.3319 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

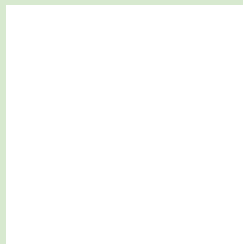
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.4257, 77.2299, 70.3319

Background



This preview shows how black text looks on a background with the XYZ color 68.4257, 77.2299, 70.3319.

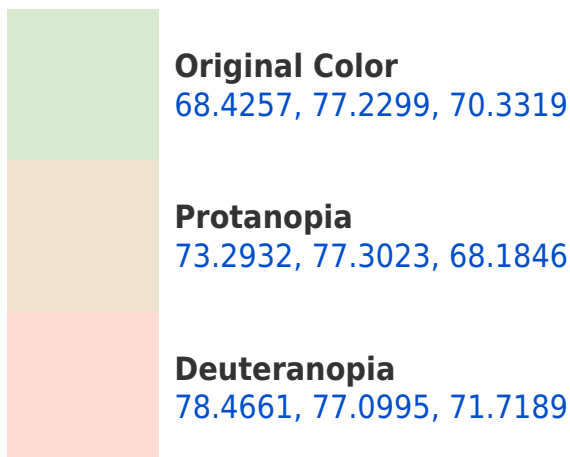


This preview shows how white text looks on a background with the XYZ color 68.4257, 77.2299,

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

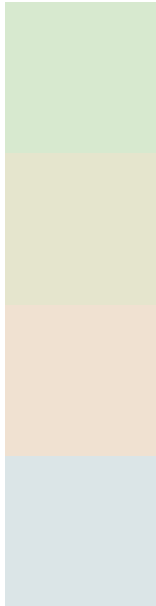




Tritanopia

73.7693, 76.9029, 97.3419

Trichromacy



Original Color

68.4257, 77.2299, 70.3319

Protanomaly

71.3519, 77.1044, 68.8796

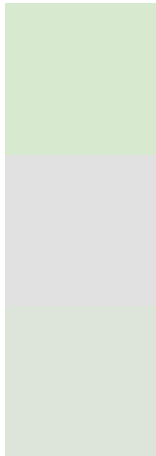
Deuteranomaly

74.3690, 76.9791, 71.2604

Tritanomaly

71.6565, 76.8682, 86.6617

Monochromacy



Original Color

68.4257, 77.2299, 70.3319

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

70.2171, 75.9209, 77.2830

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4257, 77.2299, 70.3319 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(215, 233, 207) looks like.

```
.text, #text, p{  
    color:rgb(215, 233, 207)  
}
```

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(215, 233, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 233, 207) }
```

Border

The CSS property to change the border of an element to XYZ 68.4257, 77.2299, 70.3319 is called "border". The border property can be set on classes, ids or directly on the HTML element.

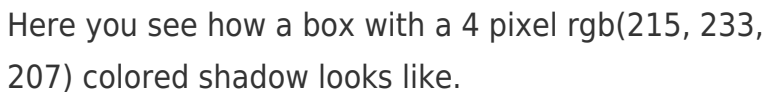
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(215, 233, 207) }
```


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

```
.border{ border-color:rgb(215, 233, 207) }
```

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



Here you see how a box with a 4 pixel `rgb(215, 233, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 233, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 233, 207);  
box-shadow:4px 4px 4px 4px rgb(215, 233,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4257, 77.2299, 70.3319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 233, 207) }
```

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

```
.background{ background-color: rgb(215,  
233, 207) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor