

Converting Colors

XYZ(68.8699, 76.3891, 83.0201)

Have a look what the booklet for
XYZ(68.8699, 76.3891, 83.0201)
contains.

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Color

**XYZ(68.8817, 76.3445,
83.0570)**

Conversions

Conversions Part 1

Format	Color
Hex	D2E7E2
RGB	210, 231, 226
RGB Percent	82%, 91%, 89%
CMY	0.1765, 0.0941, 0.1137
CMYK	0.09, 0.00, 0.02, 0.09
HSL	166°, 30%, 86%
HSV	166°, 9%, 91%
XYZ	68.8817, 76.3445, 83.0570
YIQ	224.1510, -10.9110, -6.0070

Conversions

Conversions Part 2

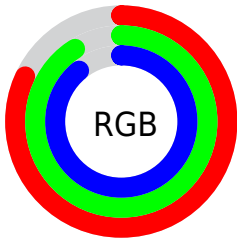
Format	Color
R_{YB}	210, 222, 231
Decimal	13821922
CIE Lab	90.02, -7.86, 0.05
CIE LCh	90, 7.863, 179.630
Yxy	76.3445, 0.3017, 0.3344
Android (android.graphics.Color)	4292012002 (0xFFD2E7E2)
YUV	224.1510, 0.9116, -12.4104
Hunter-Lab	87.3753, -12.1877, 4.8030

Details

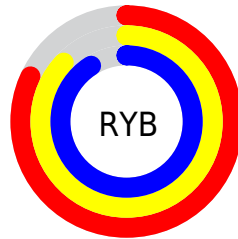
The XYZ color **68.8817, 76.3445, 83.0570** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.2701, 67.9903, 73.8187**, and the grayscale version is **70.9606, 74.6560, 81.3004**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.1982, 40.5688, 44.4508** is the 20% darker color. If you saturate the color by 10%, you get **62.0311, 72.9009, 78.8587**, and if you desaturate by 10%, it is **76.7102, 80.2937, 87.4308**.

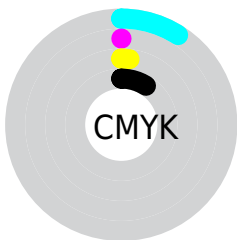
Distribution



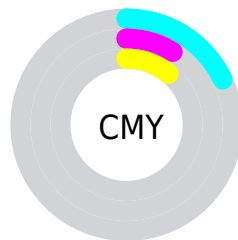
- Red (82%)
- Green (91%)
- Blue (89%)



- Red (82%)
- Yellow (87%)
- Blue (91%)



- Cyan (9%)
- Magenta (0%)
- Yellow (2%)
- Black (9%)



- Cyan (18%)
- Magenta (9%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8817, 76.3445, 83.0570 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 68.8817, 76.3445, 83.0570 by changing the saturation by 10% instead.

68.8817, 76.3445,
83.0570

68.8817, 76.3445,
83.0570

445.9415,
482.5262, 525.1524

50.8917, 56.7150,
61.6963

116.6476,
128.2138, 139.5052

36.3431, 40.7765,
44.3531

147.1541,
161.2223, 175.4298

24.8706, 28.1445,
30.6090

182.5636,
199.4594, 217.0462

16.1089, 18.4346,
20.0453

223.2413,
243.3094, 264.7728

9.6926, 11.2625,
12.2436

269.5526,
293.1567, 319.0281

5.2563, 6.2437,
6.7853

321.8628,

2.4347, 2.9938,

349.3856, 380.2308

3.2518

380.5373,
412.3807, 448.7994

■ 0.8625, 1.1285,
1.2246

■ 0.0000, 0.0021,
0.0000

■ 68.8817, 76.3445,
83.0570

■ 68.8817, 76.3445,
83.0570

■ 62.0311, 72.9009,
78.8587

■ 76.7102, 80.2937,
87.4308

■ 56.1112, 69.9321,
74.8277


■ 85.1046, 84.5297,
91.9572

■ 51.0806, 67.4191,
70.9625


■ 85.9213, 84.8563,
96.2578

■ 46.8921, 65.3374,
67.2597


■ 86.7629, 85.1930,
100.6896


 43.4940, 63.6606,
63.7157


 87.6296, 85.5397,
105.2535

 40.8289, 62.3590,
60.3265

 87.8674, 85.6348,
106.5058

 38.8315, 61.3988,
57.0878

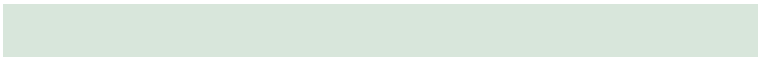
 37.4242, 60.7404,
53.9947

 36.4870, 60.3217,
51.0403

Harmonies

Analogous

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



69.3792, 76.3445, 77.8199



68.8817, 76.3445, 83.0570



69.3558, 76.3445, 88.5433

Triad

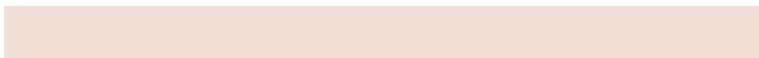
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.8817, 76.3445, 83.0570



74.4308, 76.3445, 92.8036



74.4734, 76.3445, 74.2102

Complementary

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



68.8817, 76.3445, 83.0570



68.2701, 67.9903, 73.8187

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.



75.8679, 76.3445, 77.9346



68.8817, 76.3445, 83.0570



75.8430, 76.3445, 88.6684

Square

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



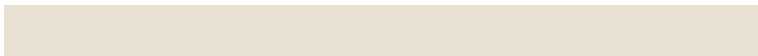
68.8817, 76.3445, 83.0570



72.5390, 76.3445, 94.3211



76.3735, 76.3445, 83.1954



72.5873, 76.3445, 72.8541

Rectangle

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



68.8817, 76.3445, 83.0570



70.1640, 76.3445, 91.5698



76.3735, 76.3445, 83.1954



75.0164, 76.3445, 75.2183

Sweetspot

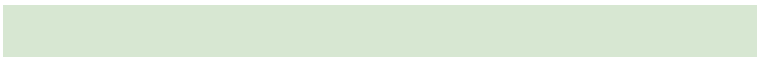
The Sweet Spot groups the original color and five complimentary colors.



68.8839, 76.3477, 83.0587



91.9993, 98.4610, 107.2329



68.3090, 76.2933, 72.0996



19.5212, 20.9888, 22.8576



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.



68.8839, 76.3477, 83.0587



84.4154, 94.6398, 102.8837



68.1329, 73.7309, 86.2457



14.6529, 16.2746, 17.7030



20.4623, 33.8170, 28.7326



1.5476, 2.5131, 2.3100

Inverse Universe

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



68.2701, 67.9903, 73.8187



83.4939, 82.0902, 89.0096



68.9545, 70.3726, 70.9228



14.5170, 14.4240, 15.6570



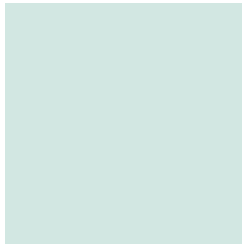
18.9024, 9.6952, 3.1150



1.4325, 0.7307, 0.4182

Previews

White Background



This preview shows how the XYZ color 68.8817, 76.3445, 83.0570 looks on a white background.

Color Contrast Check

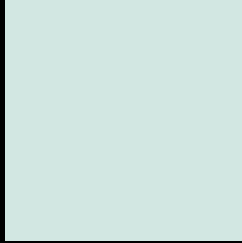
Large Text (above 18pt) WCAG AA × Fail

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 68.8817, 76.3445, 83.0570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

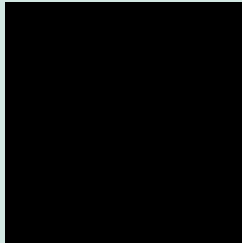
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

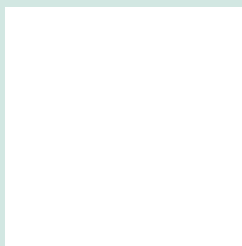
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.8817, 76.3445, 83.0570

Background



This preview shows how black text looks on a background with the XYZ color 68.8817, 76.3445, 83.0570.

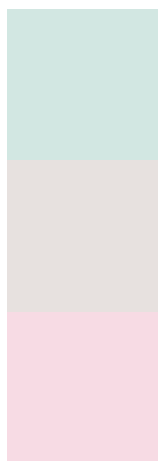


This preview shows how white text looks on a background with the XYZ color 68.8817, 76.3445,

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

68.8817, 76.3445, 83.0570

Protanopia

73.1995, 76.1671, 80.6557

Deuteranopia

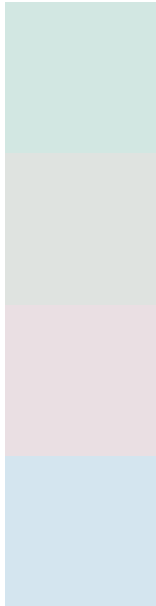
77.6929, 76.0386, 83.9809



Tritanopia

71.8185, 76.2868, 98.1284

Trichromacy



Original Color

68.8817, 76.3445, 83.0570

Protanomaly

71.3551, 76.0080, 81.4312

Deuteranomaly

74.1845, 75.8138, 83.3966

Tritanomaly

70.7507, 76.2677, 92.6535

Monochromacy



Original Color

68.8817, 76.3445, 83.0570

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.2731, 75.4345, 82.0907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8817, 76.3445, 83.0570 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, 231, 226) looks like.

```
.text, #text, p{  
    color:rgb(210, 231, 226)  
}
```

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, 231, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 231, 226) }
```

Border

The CSS property to change the border of an element to XYZ 68.8817, 76.3445, 83.0570 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, 231, 226) }
```


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

```
.border{ border-color:rgb(210, 231, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 231, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 231, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 231, 226);  
box-shadow:4px 4px 4px 4px rgb(210, 231,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8817, 76.3445, 83.0570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 231, 226) }
```

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

```
.background{ background-color: rgb(210,  
231, 226) }
```

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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