

Converting Colors

XYZ(68.0446, 76.2940, 85.6525)

Have a look what the booklet for
XYZ(68.0446, 76.2940, 85.6525)
contains.

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Color

**XYZ(68.0414, 76.2638,
85.9971)**

Conversions

Conversions Part 1

Format	Color
Hex	CCE8E6
RGB	204, 232, 230
RGB Percent	80%, 91%, 90%
CMY	0.2000, 0.0902, 0.0980
CMYK	0.12, 0.00, 0.01, 0.09
HSL	176°, 38%, 85%
HSV	176°, 12%, 91%
XYZ	68.0414, 76.2638, 85.9971
YIQ	223.4000, -16.0460, -6.5580

Conversions

Conversions Part 2

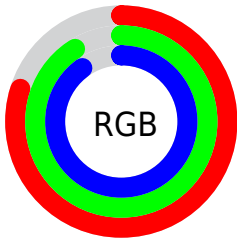
Format	Color
R_{YB}	204, 219, 232
Decimal	13428966
CIE _{Lab}	89.98, -9.54, -2.15
CIE _{LCh}	90, 9.774, 192.678
Yxy	76.2638, 0.2954, 0.3311
Android (android.graphics.Color)	4291619046 (0xFFCCE8E6)
YUV	223.4000, 3.2538, -17.0138
Hunter-Lab	87.3291, -13.7500, 2.7448

Details

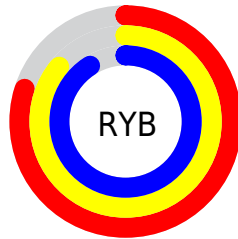
The XYZ color **68.0414, 76.2638, 85.9971** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.0150, 64.7999, 67.4243**, and the grayscale version is **70.4112, 74.0781, 80.6711**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.8409, 40.6298, 46.5108** is the 20% darker color. If you saturate the color by 10%, you get **61.9187, 73.1363, 84.5010**, and if you desaturate by 10%, it is **75.1180, 79.8869, 87.5526**.

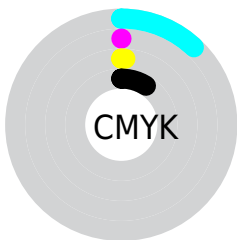
Distribution



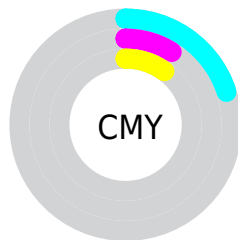
- Red (80%)
- Green (91%)
- Blue (90%)



- Red (80%)
- Yellow (86%)
- Blue (91%)



- Cyan (12%)
- Magenta (0%)
- Yellow (1%)
- Black (9%)



- Cyan (20%)
- Magenta (9%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.0414, 76.2638, 85.9971 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 68.0414, 76.2638, 85.9971 by changing the saturation by 10% instead.

68.0414, 76.2638,
85.9971

68.0414, 76.2638,
85.9971

443.0171,
482.2503, 535.1520

50.2052, 56.6488,
64.1107

115.4530,
128.0997, 143.6519

35.7949, 40.7234,
46.2936

145.7590,
161.0895, 180.2575

24.4452, 28.1030,
32.1272

180.9524,
199.3063, 222.6064

15.7908, 18.4033,
21.1931

221.3986,
243.1346, 271.1174

9.4661, 11.2399,
13.0726

267.4627,
292.9588, 326.2089

5.1060, 6.2285,
7.3472

319.5103,

2.3450, 2.9845,

349.1632, 388.2995

3.5985

377.9066,
412.1322, 457.8077

■ 0.8175, 1.1236,
1.4078

■ 0.0000, 0.0000,
0.1478

■ 68.0414, 76.2638,
85.9971

■ 68.0414, 76.2638,
85.9971

■ 61.9187, 73.1363,
84.5010

■ 75.1180, 79.8869,
87.5526

■ 56.7015, 70.4733,
83.0572


■ 83.1809, 84.0162,
89.1643


■ 52.3471, 68.2548,
81.6654

■ 85.0907, 84.9731,
90.4997


■ 48.8069, 66.4558,
80.3231


■ 85.3317, 85.0695,
91.7687


 46.0274, 65.0487,
79.0279


 85.5749, 85.1668,
93.0495


 43.9486, 64.0026,
77.7769


 85.8204, 85.2650,
94.3421


 42.5015, 63.2819,
76.5669

 86.0681, 85.3641,
95.6467

 41.6033, 62.8439,
75.3940

 86.3181, 85.4641,
96.9631

 41.1761, 62.6433,
74.4852

 86.5704, 85.5650,
98.2915

Harmonies

Analogous

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



68.1350, 76.2638, 79.1338



68.0414, 76.2638, 85.9971



69.1195, 76.2638, 92.4022

Triad

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



68.0414, 76.2638, 85.9971



75.6863, 76.2638, 93.2245



73.8806, 76.2638, 70.9565

Complementary

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



68.0414, 76.2638, 85.9971



66.0150, 64.7999, 67.4243

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.



75.9610, 76.2638, 74.3294



68.0414, 76.2638, 85.9971



77.0193, 76.2638, 87.0692

Square

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



68.0414, 76.2638, 85.9971



73.5123, 76.2638, 96.7283



77.1210, 76.2638, 80.1482



71.4702, 76.2638, 70.7051

Rectangle

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



68.0414, 76.2638, 85.9971



70.3719, 76.2638, 95.4479



77.1210, 76.2638, 80.1482



74.6430, 76.2638, 71.7538

Sweetspot

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



68.0436, 76.2670, 85.9988



91.2792, 98.0696, 108.1114



65.3042, 75.2457, 68.2100



19.3904, 20.9157, 23.1088



0.0000, 0.0000, 0.0000



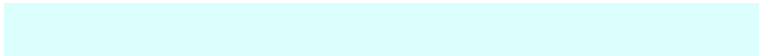
20.3446, 21.4041, 23.3091

Same Dimension

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



68.0436, 76.2670, 85.9988



82.7052, 93.6832, 106.1900



65.1504, 70.0277, 86.4306



14.7606, 16.3177, 18.2701



22.8782, 34.7834, 41.4544



1.7040, 2.5757, 3.1340

Inverse Universe

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



66.0150, 64.7999, 67.4243



79.8151, 77.3458, 79.7273



68.6511, 70.4592, 67.1097



14.4186, 14.3846, 15.1388



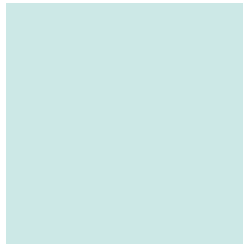
18.5462, 9.5527, 1.2394



1.3852, 0.7118, 0.1692

Previews

White Background



This preview shows how the XYZ color 68.0414, 76.2638, 85.9971 looks on a white background.

Color Contrast Check

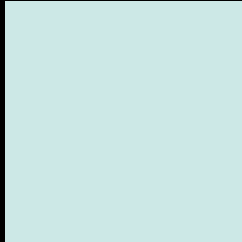
Large Text (above 18pt) WCAG AA × Fail

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 68.0414, 76.2638, 85.9971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

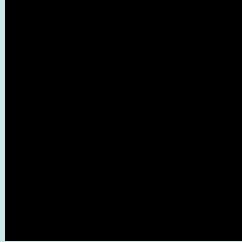
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

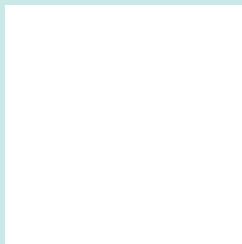
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.0414, 76.2638, 85.9971

Background



This preview shows how black text looks on a background with the XYZ color 68.0414, 76.2638, 85.9971.

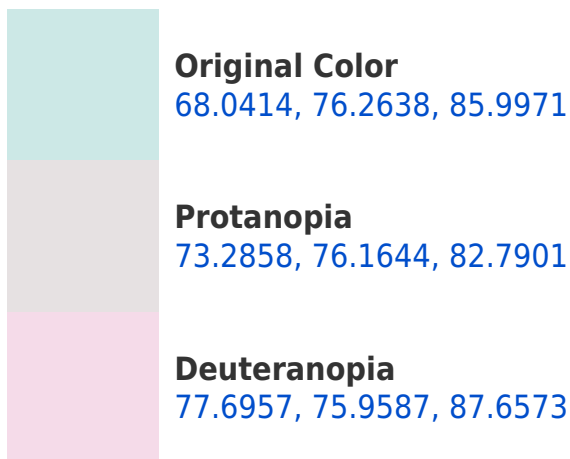


This preview shows how white text looks on a background with the XYZ color 68.0414, 76.2638,

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

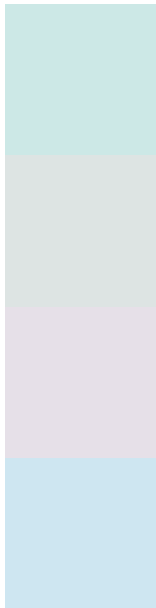




Tritanopia

70.6947, 76.0813, 99.7661

Trichromacy



Original Color

68.0414, 76.2638, 85.9971

Protanomaly

71.4273, 76.4050, 83.6561

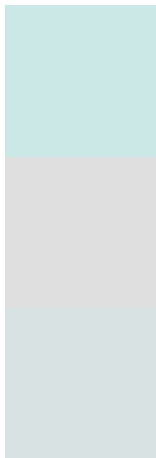
Deuteranomaly

73.8543, 75.9605, 87.1132

Tritanomaly

69.6276, 76.0663, 94.2316

Monochromacy



Original Color

68.0414, 76.2638, 85.9971

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.2427, 74.4826, 82.6786

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0414, 76.2638, 85.9971 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(204, 232, 230)` looks like.

```
.text, #text, p{  
    color:rgb(204, 232, 230)  
}
```

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(204, 232, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 232, 230) }
```

Border

The CSS property to change the border of an element to XYZ 68.0414, 76.2638, 85.9971 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(204, 232, 230) }
```


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

```
.border{ border-color:rgb(204, 232, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 232, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 232, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 232, 230);  
box-shadow:4px 4px 4px 4px rgb(204, 232,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0414, 76.2638, 85.9971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 232, 230) }
```

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

```
.background{ background-color: rgb(204,  
232, 230) }
```

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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