

Converting Colors

XYZ(68.2034, 76.3576, 86.4890)

Have a look what the booklet for
XYZ(68.2034, 76.3576, 86.4890)
contains.

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Color

**XYZ(68.1823, 76.3201,
86.7390)**

Conversions

Conversions Part 1

Format	Color
Hex	CCE8E7
RGB	204, 232, 231
RGB Percent	80%, 91%, 91%
CMY	0.2000, 0.0902, 0.0941
CMYK	0.12, 0.00, 0.00, 0.09
HSL	178°, 38%, 85%
HSV	178°, 12%, 91%
XYZ	68.1823, 76.3201, 86.7390
YIQ	223.5140, -16.3670, -6.2470

Conversions

Conversions Part 2

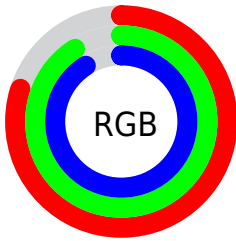
Format	Color
RYB	204, 218, 232
Decimal	13428967
CIELab	90.01, -9.34, -2.63
CIELCh	90, 9.703, 195.729
Yxy	76.3201, 0.2949, 0.3300
Android (android.graphics.Color)	4291619047 (0xFFCCE8E7)
YUV	223.5140, 3.6906, -17.1138
Hunter-Lab	87.3614, -13.5698, 2.2854

Details

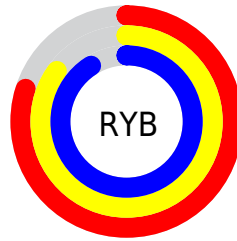
The XYZ color **68.1823, 76.3201, 86.7390** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.8938, 64.7515, 66.7864**, and the grayscale version is **70.4896, 74.1605, 80.7608**.

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 **62.1745, 73.2385, 85.8480**, and if you desaturate by 10%, it is **75.1423, 79.8966, 87.6807**.

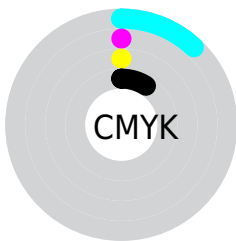
Distribution



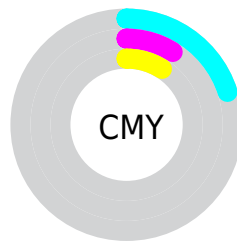
- Red (80%)
- Green (91%)
- Blue (91%)



- Red (80%)
- Yellow (85%)
- Blue (91%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1823, 76.3201, 86.7390 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 68.1823, 76.3201, 86.7390 by changing the saturation by 10% instead.

68.1823, 76.3201,
86.7390

68.1823, 76.3201,
86.7390

443.5082,
482.4428, 537.6588

50.3203, 56.6950,
64.7208

115.6534,
128.1793, 144.6960

35.8868, 40.7604,
46.7849

145.9931,
161.1822, 181.4718

24.5165, 28.1319,
32.5125

181.2229,
199.4131, 224.0040

15.8440, 18.4251,
21.4852

221.7079,
243.2566, 272.7111

9.5040, 11.2556,
13.2844

267.8136,
293.0969, 328.0116

5.1311, 6.2391,
7.4917

319.9053,

2.3599, 2.9910,

349.3184, 390.3240

3.6884

378.3484,
412.3055, 460.0669

■ 0.8251, 1.1270,
1.4560

■ 0.0000, 0.0009,
0.1848

■ 68.1823, 76.3201,
86.7390

■ 68.1823, 76.3201,
86.7390

■ 62.1745, 73.2385,
85.8480

■ 75.1423, 79.8966,
87.6807

■ 57.0705, 70.6208,
85.0006

■ 83.0870, 83.9786,
88.6697

■ 52.8278, 68.4470,
84.1964

■ 84.8768, 84.8875,
89.3737

■ 49.3975, 66.6920,
83.4332

■ 84.9962, 84.9353,
90.0024

46.7263, 65.3282,
82.7083

85.1162, 84.9833,
90.6340

44.7542, 64.3247,
82.0191

85.2367, 85.0315,
91.2686

43.4121, 63.6461,
81.3622

85.3578, 85.0799,
91.9062

42.6173, 63.2494,
80.7339

85.4794, 85.1285,
92.5467

42.2709, 63.0812,
80.2509

85.6016, 85.1774,
93.1902

Harmonies

Analogous

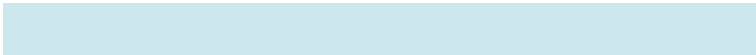
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.1531, 76.3201, 79.8797



68.1823, 76.3201, 86.7390



69.3618, 76.3201, 92.9406

Triad

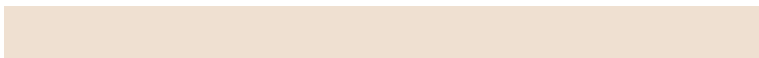
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.1823, 76.3201, 86.7390



75.8993, 76.3201, 92.6844



73.6851, 76.3201, 70.9224

Complementary

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



68.1823, 76.3201, 86.7390



65.8938, 64.7515, 66.7864

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.



75.8137, 76.3201, 73.9791



68.1823, 76.3201, 86.7390



77.1111, 76.3201, 86.4049

Square

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



68.1823, 76.3201, 86.7390



73.7998, 76.3201, 96.5002



77.0795, 76.3201, 79.5635



71.2945, 76.3201, 71.0008

Rectangle

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



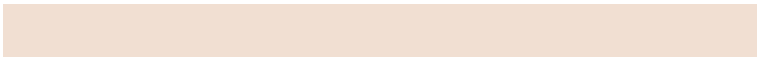
68.1823, 76.3201, 86.7390



70.6570, 76.3201, 95.7572



77.0795, 76.3201, 79.5635



74.4561, 76.3201, 71.6097

Sweetspot

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



68.1845, 76.3233, 86.7407



91.3377, 98.0930, 108.4194



65.0453, 75.1122, 68.1980



19.4053, 20.9216, 23.1871



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.



68.1845, 76.3233, 86.7407



82.9085, 93.7645, 107.2605



64.9056, 69.5381, 86.3489



14.7840, 16.3270, 18.3931



23.4765, 35.0227, 44.6053



1.7419, 2.5909, 3.3332

Inverse Universe

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



65.8938, 64.7515, 66.7864



79.6450, 77.2778, 78.8313



68.8904, 70.9379, 67.1896



14.3978, 14.3763, 15.0293



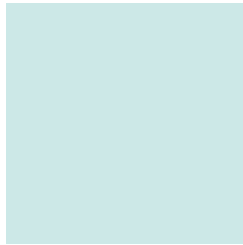
18.5101, 9.5382, 1.0491



1.3753, 0.7078, 0.1166

Previews

White Background



This preview shows how the XYZ color 68.1823, 76.3201, 86.7390 looks on a white background.

Color Contrast Check

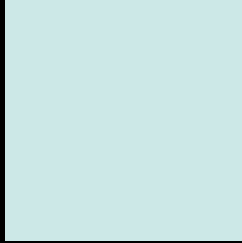
Large Text (above 18pt) WCAG AA × Fail

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 68.1823, 76.3201, 86.7390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

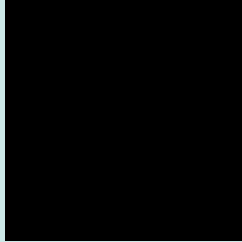
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

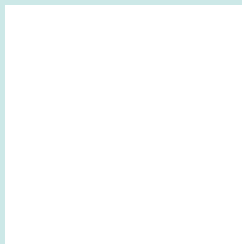
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.1823, 76.3201, 86.7390

Background



This preview shows how black text looks on a background with the XYZ color 68.1823, 76.3201, 86.7390.

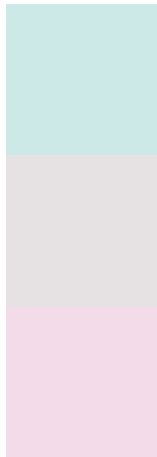


This preview shows how white text looks on a background with the XYZ color 68.1823, 76.3201,

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

68.1823, 76.3201, 86.7390

Protanopia

73.4235, 76.2195, 83.5150

Deuteranopia

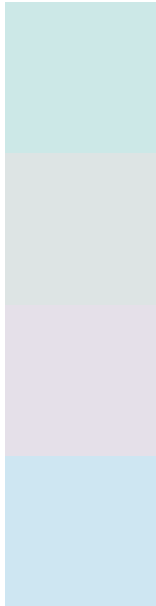
77.4910, 75.8366, 88.3956



Tritanopia

70.6947, 76.0813, 99.7661

Trichromacy



Original Color

68.1823, 76.3201, 86.7390

Protanomaly

71.5658, 76.4604, 84.3852

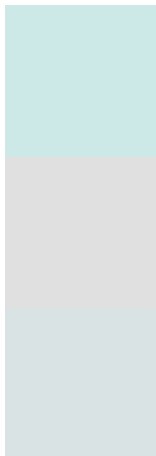
Deuteranomaly

73.6767, 75.8525, 87.8486

Tritanomaly

69.7774, 76.1262, 95.0206

Monochromacy



Original Color

68.1823, 76.3201, 86.7390

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.9495, 75.2359, 83.5083

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1823, 76.3201, 86.7390 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, 231)` looks like.

```
.text, #text, p{  
    color:rgb(204, 232, 231)  
}
```

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, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 232, 231) }
```

Border

The CSS property to change the border of an element to XYZ 68.1823, 76.3201, 86.7390 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, 231) }
```


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

```
.border{ border-color:rgb(204, 232, 231) }
```

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, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 232, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 232, 231);  
box-shadow:4px 4px 4px 4px rgb(204, 232,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1823, 76.3201, 86.7390 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, 231) }
```

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

```
.background{ background-color: rgb(204,  
232, 231) }
```

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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