

Converting Colors

XYZ(68.6927, 76.3095, 86.6604)

Have a look what the booklet for
XYZ(68.6927, 76.3095, 86.6604)
contains.

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Color

**XYZ(68.7318, 76.1867,
86.6843)**

Conversions

Conversions Part 1

Format	Color
Hex	CFE7E7
RGB	207, 231, 231
RGB Percent	81%, 91%, 91%
CMY	0.1882, 0.0941, 0.0941
CMYK	0.10, 0.00, 0.00, 0.09
HSL	180°, 33%, 86%
HSV	180°, 10%, 91%
XYZ	68.7318, 76.1867, 86.6843
YIQ	223.8240, -14.3040, -5.0880

Conversions

Conversions Part 2

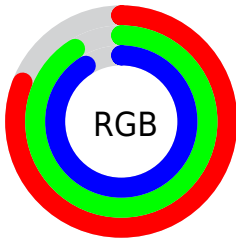
Format	Color
R_{YB}	207, 219, 231
Decimal	13625319
CIE _{Lab}	89.95, -7.87, -2.70
CIE _{LCh}	90, 8.323, 198.913
Yxy	76.1867, 0.2968, 0.3290
Android (android.graphics.Color)	4291815399 (0xFFCFE7E7)
YUV	223.8240, 3.5378, -14.7546
Hunter-Lab	87.2850, -12.1905, 2.2175

Details

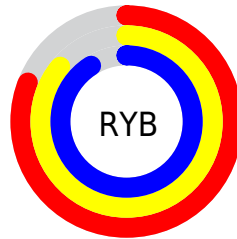
The XYZ color **68.7318, 76.1867, 86.6843** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.5330, 66.1215, 68.2908**, and the grayscale version is **70.7105, 74.3929, 81.0139**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.0167, 40.4305, 46.4630** is the 20% darker color. If you saturate the color by 10%, you get **62.7444, 73.1022, 86.4033**, and if you desaturate by 10%, it is **75.6678, 79.7643, 87.0128**.

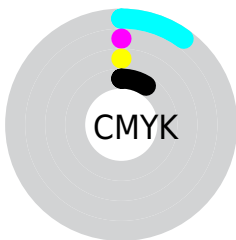
Distribution



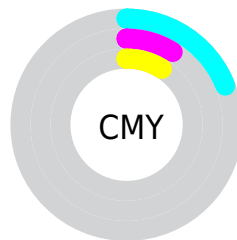
- Red (81%)
- Green (91%)
- Blue (91%)



- Red (81%)
- Yellow (86%)
- Blue (91%)



- Cyan (10%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.7318, 76.1867, 86.6843 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 68.7318, 76.1867, 86.6843 by changing the saturation by 10% instead.

■ 68.7318, 76.1867,
86.6843

■ 68.7318, 76.1867,
86.6843

445.4207,
481.9866, 537.4742

■ 50.7692, 56.5856,
64.6758

116.4346,
127.9908, 144.6190

■ 36.2452, 40.6726,
46.7486

146.9055,
160.9626, 181.3823

■ 24.7946, 28.0634,
32.4840

182.2764,
199.1600, 223.9011

■ 16.0520, 18.3734,
21.4636

222.9129,
242.9676, 272.5937

■ 9.6521, 11.2184,
13.2688

269.1802,
292.7696, 327.8788

■ 5.2294, 6.2140,
7.4810

321.4437,

■ 2.4186, 2.9756,

348.9505, 390.1749

3.6817

380.0687,
411.8947, 459.9005

■ 0.8544, 1.1190,
1.4524

■ 0.0000, 0.0000,
0.1821

■ 68.7318, 76.1867,
86.6843

■ 68.7318, 76.1867,
86.6843

■ 62.7444, 73.1022,
86.4033

■ 75.6678, 79.7643,
87.0128

■ 57.6583, 70.4803,
86.1630

■ 83.5841, 83.8453,
87.3857

■ 53.4317, 68.3014,
85.9628

■ 84.2427, 84.1848,
87.4188

■ 50.0173, 66.5413,
85.8007

■ 84.2431, 84.1849,
87.4212

■ 47.3629, 65.1729,
85.6741

■ 84.2436, 84.1851,
87.4236

■ 45.4105, 64.1665,
85.5804

■ 84.2440, 84.1853,
87.4259

■ 44.0936, 63.4877,
85.5164

■ 84.2445, 84.1855,
87.4283

■ 43.3330, 63.0956,
85.4785

■ 84.2449, 84.1857,
87.4307

■ 42.9973, 62.9226,
85.4605

■ 84.2454, 84.1858,
87.4330

Harmonies

Analogous

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



68.5968, 76.1867, 80.7929



68.7318, 76.1867, 86.6843



69.8421, 76.1867, 91.7977

Triad

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



68.7318, 76.1867, 86.6843



75.4385, 76.1867, 90.6320



73.1772, 76.1867, 72.3169

Complementary

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



68.7318, 76.1867, 86.6843



66.5330, 66.1215, 68.2908

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.



75.0466, 76.1867, 74.6980



68.7318, 76.1867, 86.6843



76.3685, 76.1867, 85.1541

Square

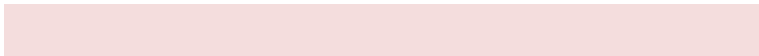
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.7318, 76.1867, 86.6843



73.7041, 76.1867, 94.1505



76.2237, 76.1867, 79.3330



71.1374, 76.1867, 72.6830

Rectangle

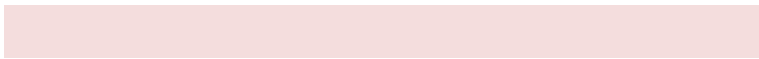
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.7318, 76.1867, 86.6843



70.9980, 76.1867, 93.9904



76.2237, 76.1867, 79.3330



73.8471, 76.1867, 72.8179

Sweetspot

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



68.7340, 76.1899, 86.6860



92.2912, 98.5778, 108.7700



65.6846, 74.9831, 70.0439



19.6003, 21.0204, 23.2740



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.



68.7340, 76.1899, 86.6860



84.6739, 94.6510, 108.4109



65.5941, 69.9093, 85.6417



14.8074, 16.3364, 18.5167



24.1038, 35.2736, 47.9083



1.7812, 2.6066, 3.5404

Inverse Universe

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



66.5330, 66.1215, 68.2908



81.5127, 80.1904, 81.9909



69.4475, 71.9512, 69.2603



14.3771, 14.3680, 14.9204



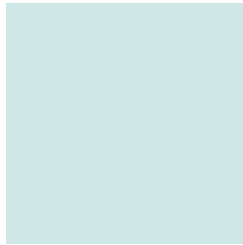
18.4752, 9.5243, 0.8653



1.3653, 0.7038, 0.0641

Previews

White Background



This preview shows how the XYZ color 68.7318, 76.1867, 86.6843 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 68.7318, 76.1867, 86.6843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

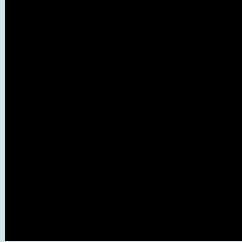
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

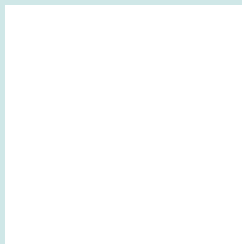
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.7318, 76.1867, 86.6843

Background



This preview shows how black text looks on a background with the XYZ color 68.7318, 76.1867, 86.6843.

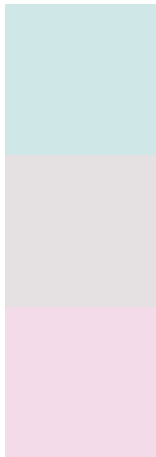


This preview shows how white text looks on a background with the XYZ color 68.7318, 76.1867,

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

68.7318, 76.1867, 86.6843

Protanopia

73.1034, 76.0545, 83.5001

Deuteranopia

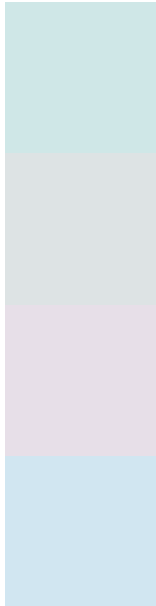
77.3477, 75.7793, 87.6410



Tritanopia

71.3862, 76.4557, 98.9907

Trichromacy



Original Color

68.7318, 76.1867, 86.6843

Protanomaly

71.2915, 75.9118, 84.2938

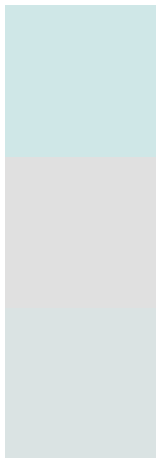
Deuteranomaly

73.9082, 75.5905, 87.0390

Tritanomaly

70.4685, 76.4998, 94.2709

Monochromacy



Original Color

68.7318, 76.1867, 86.6843

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.2477, 75.3896, 83.5223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7318, 76.1867, 86.6843 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(207, 231, 231)` looks like.

```
.text, #text, p{  
    color:rgb(207, 231, 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(207, 231, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 231, 231) }
```

Border

The CSS property to change the border of an element to XYZ 68.7318, 76.1867, 86.6843 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(207, 231, 231) }
```


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

```
.border{ border-color:rgb(207, 231, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 231, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 231, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 231, 231);  
box-shadow:4px 4px 4px 4px rgb(207, 231,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7318, 76.1867, 86.6843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 231, 231) }
```

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

```
.background{ background-color: rgb(207,  
231, 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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