

Converting Colors

XYZ(67.7652, 78.2546, 83.1607)

Have a look what the booklet for
XYZ(67.7652, 78.2546, 83.1607)
contains.

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Color

**XYZ(67.8311, 78.3387,
83.4973)**

Conversions

Conversions Part 1

Format	Color
Hex	C8EDE2
RGB	200, 237, 226
RGB Percent	78%, 93%, 89%
CMY	0.2157, 0.0706, 0.1137
CMYK	0.16, 0.00, 0.05, 0.07
HSL	162°, 51%, 86%
HSV	162°, 16%, 93%
XYZ	67.8311, 78.3387, 83.4973
YIQ	224.6830, -18.5210, -11.2650

Conversions

Conversions Part 2

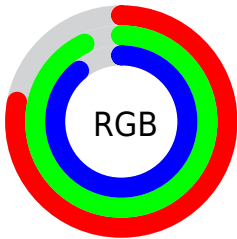
Format	Color
R_{YB}	200, 222, 237
Decimal	13168098
CIE _{Lab}	90.93, -14.10, 1.31
CIE _{LCh}	91, 14.163, 174.708
Yxy	78.3387, 0.2953, 0.3411
Android (android.graphics.Color)	4291358178 (0xFFC8EDE2)
YUV	224.6830, 0.6493, -21.6470
Hunter-Lab	88.5092, -18.0933, 6.0237

Details

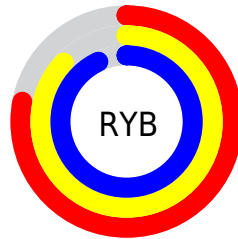
The XYZ color **67.8311, 78.3387, 83.4973** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.3400, 64.0184, 70.4392**, and the grayscale version is **71.3473, 75.0629, 81.7435**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.7286, 42.0990, 44.7709** is the 20% darker color. If you saturate the color by 10%, you get **61.0385, 74.9486, 78.2356**, and if you desaturate by 10%, it is **75.6490, 82.2571, 89.0178**.

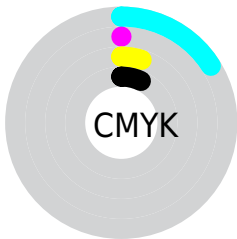
Distribution



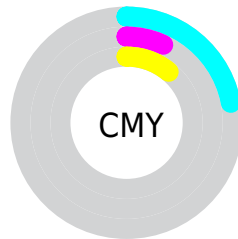
- Red (78%)
- Green (93%)
- Blue (89%)



- Red (78%)
- Yellow (87%)
- Blue (93%)



- Cyan (16%)
- Magenta (0%)
- Yellow (5%)
- Black (7%)



- Cyan (22%)
- Magenta (7%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.8311, 78.3387, 83.4973 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 67.8311, 78.3387, 83.4973 by changing the saturation by 10% instead.

67.8311, 78.3387,
83.4973

67.8311, 78.3387,
83.4973

442.2835,
489.3163, 526.6568

50.0335, 58.3523,
62.0575

115.1537,
131.0275, 140.1272

35.6579, 42.0919,
44.6431

145.4095,
164.4986, 176.1544

24.3390, 29.1733,
30.8355

180.5487,
203.2334, 217.8811

15.7114, 19.2119,
20.2162

220.9366,
247.6162, 265.7259

9.4097, 11.8235,
12.3667

266.9387,
298.0316, 320.1073

5.0686, 6.6236,
6.8683

318.9203,

2.3227, 3.2279,

354.8638, 381.4439

3.3027

377.2468,
418.4972, 450.1542

0.8063, 1.2518,
1.2512

0.0000, 0.1034,
0.0213

67.8311, 78.3387,
83.4973

67.8311, 78.3387,
83.4973

61.0385, 74.9486,
78.2356

75.6490, 82.2571,
89.0178

55.2192, 72.0535,
73.2228

84.5283, 86.7158,
94.7963

50.3262, 69.6315,
68.4560

88.3364, 88.5556,
100.5498

46.3061, 67.6551,
63.9301

89.4458, 88.9993,
106.3917

■ 43.0999, 66.0939,
59.6397

■ 89.5756, 89.0512,
107.0752

■ 40.6409, 64.9136,
55.5790

■ 38.8513, 64.0741,
51.7417

■ 37.6356, 63.5263,
48.1205

■ 37.2171, 63.3438,
46.5962

Harmonies

Analogous

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



68.9956, 78.3387, 74.4373



67.8311, 78.3387, 83.4973



68.3957, 78.3387, 93.7807

Triad

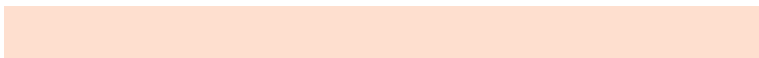
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.8311, 78.3387, 83.4973



77.3646, 78.3387, 104.4303



78.4949, 78.3387, 70.2380

Complementary

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



67.8311, 78.3387, 83.4973



67.3400, 64.0184, 70.4392

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.



80.8696, 78.3387, 77.3420



67.8311, 78.3387, 83.4973



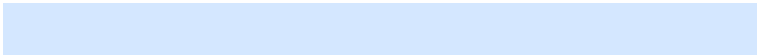
80.2026, 78.3387, 97.1658

Square

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



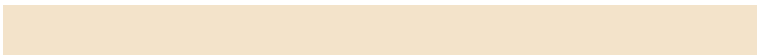
67.8311, 78.3387, 83.4973



73.8273, 78.3387, 106.4063



81.5043, 78.3387, 87.1234



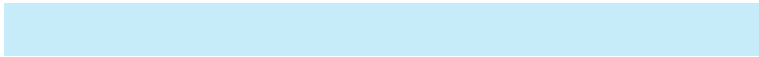
75.0934, 78.3387, 67.1832

Rectangle

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



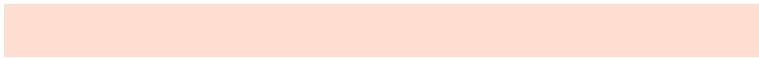
67.8311, 78.3387, 83.4973



69.6863, 78.3387, 99.8870



81.5043, 78.3387, 87.1234



79.4439, 78.3387, 72.2027

Sweetspot

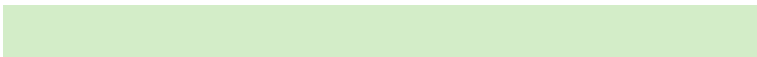
The Sweet Spot groups the original color and five complimentary colors.



67.8333, 78.3420, 83.4990



89.9093, 97.4197, 105.5045



67.6047, 78.6056, 66.2542



19.0951, 20.7770, 22.4815



0.0000, 0.0000, 0.0000



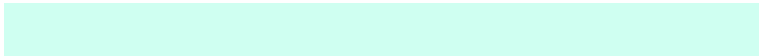
20.3446, 21.4041, 23.3091

Same Dimension

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



67.8333, 78.3420, 83.4990



77.1830, 91.0472, 96.4064



67.2936, 74.7681, 91.0095



15.3157, 17.0411, 18.3456



20.3787, 34.6059, 25.7569



1.6422, 2.7342, 2.2435

Inverse Universe

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



67.3400, 64.0184, 70.4392



76.4894, 70.8861, 78.0277



67.7628, 66.9967, 64.0051



15.2498, 15.1278, 16.6006



19.7298, 10.0946, 4.3786



1.5902, 0.8091, 0.5596

Previews

White Background



This preview shows how the XYZ color 67.8311, 78.3387, 83.4973 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 67.8311, 78.3387, 83.4973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

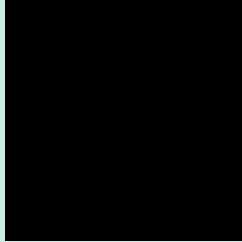
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

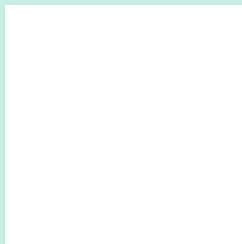
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.8311, 78.3387, 83.4973

Background



This preview shows how black text looks on a background with the XYZ color 67.8311, 78.3387, 83.4973.

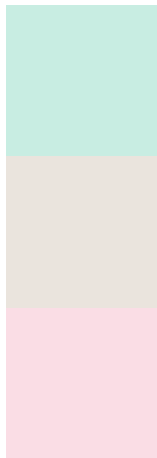


This preview shows how white text looks on a background with the XYZ color 67.8311, 78.3387,

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

67.8311, 78.3387, 83.4973

Protanopia

74.7262, 78.1997, 79.5622

Deuteranopia

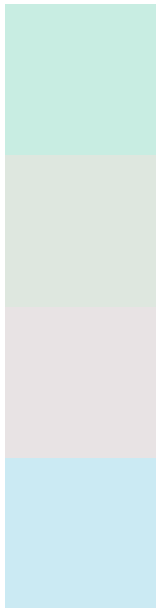
79.4236, 77.6940, 84.9391



Tritanopia

71.8864, 78.2852, 103.4172

Trichromacy



Original Color

67.8311, 78.3387, 83.4973

Protanomaly

72.0194, 78.0091, 81.0735

Deuteranomaly

74.7514, 77.6954, 84.4557

Tritanomaly

70.2291, 78.0132, 96.1506

Monochromacy



Original Color

67.8311, 78.3387, 83.4973

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

69.9288, 76.0738, 82.2322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8311, 78.3387, 83.4973 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(200, 237, 226)` looks like.

```
.text, #text, p{  
    color:rgb(200, 237, 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(200, 237, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 237, 226) }
```

Border

The CSS property to change the border of an element to XYZ 67.8311, 78.3387, 83.4973 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(200, 237, 226) }
```


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

```
.border{ border-color:rgb(200, 237, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 237, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 237, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 237, 226);  
box-shadow:4px 4px 4px 4px rgb(200, 237,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8311, 78.3387, 83.4973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 237, 226) }
```

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

```
.background{ background-color: rgb(200,  
237, 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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