

Converting Colors

XYZ(67.5209, 78.2566, 82.6423)

Have a look what the booklet for
XYZ(67.5209, 78.2566, 82.6423)
contains.

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Color

**XYZ(67.4280, 78.1467,
82.7642)**

Conversions

Conversions Part 1

Format	Color
Hex	C7EDE1
RGB	199, 237, 225
RGB Percent	78%, 93%, 88%
CMY	0.2196, 0.0706, 0.1176
CMYK	0.16, 0.00, 0.05, 0.07
HSL	161°, 51%, 85%
HSV	161°, 16%, 93%
XYZ	67.4280, 78.1467, 82.7642
YIQ	224.2700, -18.7960, -11.7880

Conversions

Conversions Part 2

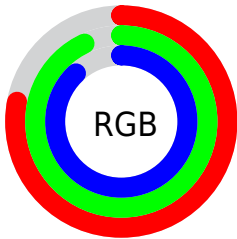
Format	Color
R_{YB}	199, 222, 237
Decimal	13102561
CIE _{Lab}	90.85, -14.61, 1.69
CIE _{LCh}	91, 14.710, 173.392
Yxy	78.1467, 0.2953, 0.3422
Android (android.graphics.Color)	4291292641 (0xFFC7EDE1)
YUV	224.2700, 0.3599, -22.1618
Hunter-Lab	88.4006, -18.5494, 6.3708

Details

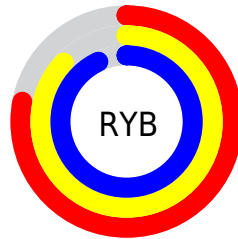
The XYZ color **67.4280, 78.1467, 82.7642** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.1091, 63.5566, 70.3621**, and the grayscale version is **71.0535, 74.7538, 81.4069**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.4566, 41.9698, 44.2624** is the 20% darker color. If you saturate the color by 10%, you get **60.6242, 74.7568, 77.2324**, and if you desaturate by 10%, it is **75.2603, 82.0659, 88.5812**.

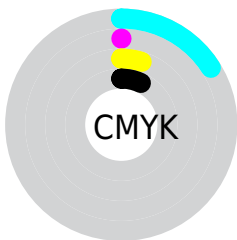
Distribution



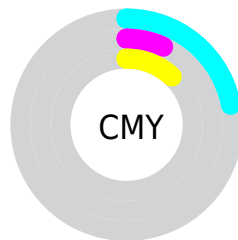
- Red (78%)
- Green (93%)
- Blue (88%)



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



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



- Cyan (22%)
- Magenta (7%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.4280, 78.1467, 82.7642 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 67.4280, 78.1467, 82.7642 by changing the saturation by 10% instead.

67.4280, 78.1467,
82.7642

67.4280, 78.1467,
82.7642

440.8753,
488.6649, 524.1507

49.7045, 58.1945,
61.4562

114.5799,
130.7569, 139.0914

35.3955, 41.9650,
44.1605

144.7390,
164.1837, 174.9477

24.1356, 29.0739,
30.4586

179.7740,
202.8708, 216.4905

15.5595, 19.1367,
19.9319

220.0503,
247.2026, 264.1383

9.3019, 11.7691,
12.1620

265.9332,
297.5635, 318.3097

4.9973, 6.5867,
6.7302

317.7881,

2.2804, 3.2050,

354.3380, 379.4232

3.2181

375.9804,
417.9103, 447.8974

■ 0.7846, 1.2397,
1.2070

■ 0.0000, 0.0937,
0.0000

■ 67.4280, 78.1467,
82.7642

■ 67.4280, 78.1467,
82.7642

■ 60.6242, 74.7568,
77.2324

■ 75.2603, 82.0659,
88.5812

■ 54.7966, 71.8628,
71.9754

■ 84.1574, 86.5267,
94.6830

■ 49.8980, 69.4428,
66.9896

■ 88.3851, 88.5750,
100.8059

■ 45.8748, 67.4691,
62.2696

■ 89.5667, 89.0477,
107.0284

■ 42.6673, 65.9110,
57.8092

■ 89.5756, 89.0512,
107.0752

■ 40.2086, 64.7340,
53.6023

■ 38.4203, 63.8979,
49.6418

■ 37.2053, 63.3527,
45.9199

■ 36.8203, 63.1851,
44.5064

Harmonies

Analogous

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



68.7080, 78.1467, 73.5026



67.4280, 78.1467, 82.7642



67.9333, 78.1467, 93.4403

Triad

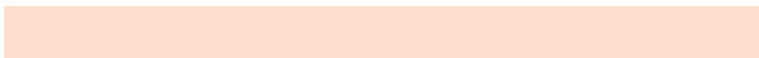
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.4280, 78.1467, 82.7642



77.1378, 78.1467, 105.2013



78.6018, 78.1467, 69.7524

Complementary

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



67.4280, 78.1467, 82.7642



67.1091, 63.5566, 70.3621

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.



81.0018, 78.1467, 77.2498



67.4280, 78.1467, 82.7642



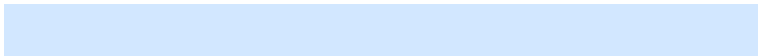
80.1371, 78.1467, 97.8320

Square

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



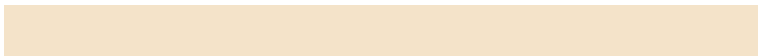
67.4280, 78.1467, 82.7642



73.4600, 78.1467, 106.9851



81.5728, 78.1467, 87.4559



75.0982, 78.1467, 66.4040

Rectangle

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



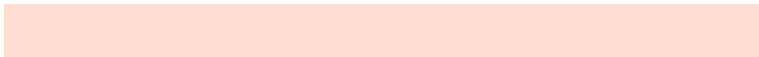
67.4280, 78.1467, 82.7642



69.2232, 78.1467, 99.8738



81.5728, 78.1467, 87.4559



79.5691, 78.1467, 71.8395

Sweetspot

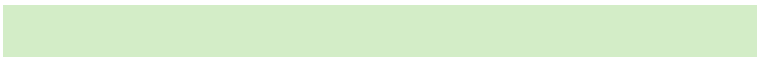
The Sweet Spot groups the original color and five complimentary colors.



67.4302, 78.1500, 82.7659



89.8721, 97.4048, 105.3087



67.4690, 78.5491, 65.6396



19.0861, 20.7734, 22.4338



0.0000, 0.0000, 0.0000



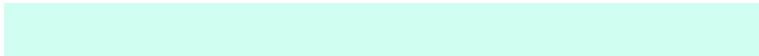
20.3446, 21.4041, 23.3091

Same Dimension

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



67.4302, 78.1500, 82.7659



77.0498, 90.9940, 95.7050



67.1478, 74.8717, 91.0372



15.3034, 17.0362, 18.2808



20.1636, 34.5199, 24.6245



1.6266, 2.7279, 2.1613

Inverse Universe

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



67.1091, 63.5566, 70.3621



76.6090, 70.9339, 78.6578



67.2997, 66.2568, 63.2759



15.2615, 15.1324, 16.6622



19.8109, 10.1271, 4.8056



1.5978, 0.8121, 0.5993

Previews

White Background



This preview shows how the XYZ color 67.4280, 78.1467, 82.7642 looks on a white background.

Color Contrast Check

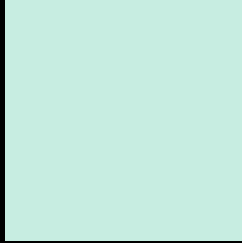
Large Text (above 18pt) WCAG AA × Fail

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 67.4280, 78.1467, 82.7642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

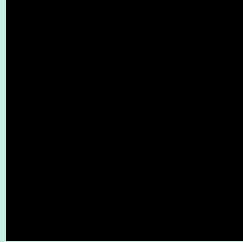
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

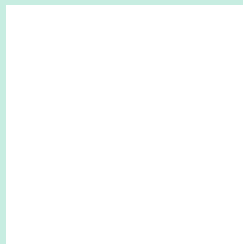
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.4280, 78.1467, 82.7642

Background



This preview shows how black text looks on a background with the XYZ color 67.4280, 78.1467, 82.7642.



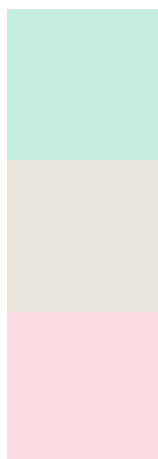
This preview shows how white text looks on a background with the XYZ color 67.4280, 78.1467,

82.7642.

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

67.4280, 78.1467, 82.7642

Protanopia

74.3190, 77.5979, 78.7710

Deuteranopia

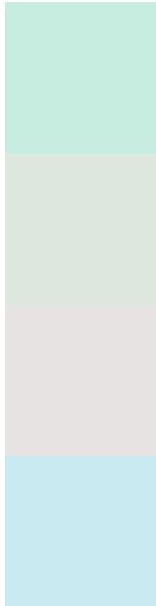
79.2844, 77.6383, 84.2057



Tritanopia

71.6114, 78.1435, 103.4043

Trichromacy



Original Color

67.4280, 78.1467, 82.7642

Protanomaly

71.5795, 77.7979, 80.3511

Deuteranomaly

74.2892, 77.4731, 83.7114

Tritanomaly

69.8070, 77.8130, 95.3446

Monochromacy



Original Color

67.4280, 78.1467, 82.7642

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.4982, 75.8675, 81.5020

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.4280, 78.1467, 82.7642 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(199, 237, 225)` looks like.

```
.text, #text, p{  
    color:rgb(199, 237, 225)  
}
```

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(199, 237, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 237, 225) }
```

Border

The CSS property to change the border of an element to XYZ 67.4280, 78.1467, 82.7642 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(199, 237, 225) }
```


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

```
.border{ border-color:rgb(199, 237, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 237, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 237, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 237, 225);  
box-shadow:4px 4px 4px 4px rgb(199, 237,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 67.4280, 78.1467, 82.7642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 237, 225) }
```

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

```
.background{ background-color: rgb(199,  
237, 225) }
```

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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