

Converting Colors

XYZ(67.8170, 73.2316, 82.7507)

Have a look what the booklet for
XYZ(67.8170, 73.2316, 82.7507)
contains.

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Color

**XYZ(67.8041, 73.3385,
82.5336)**

Conversions

Conversions Part 1

Format	Color
Hex	D4E1E2
RGB	212, 225, 226
RGB Percent	83%, 88%, 89%
CMY	0.1686, 0.1176, 0.1137
CMYK	0.06, 0.00, 0.00, 0.11
HSL	184°, 19%, 86%
HSV	184°, 6%, 89%
XYZ	67.8041, 73.3385, 82.5336
YIQ	221.2270, -8.0690, -2.4450

Conversions

Conversions Part 2

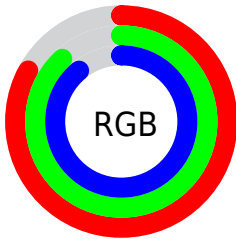
Format	Color
R _Y B	212, 219, 226
Decimal	13951458
CIE Lab	88.61, -4.14, -2.00
CIE LCh	89, 4.595, 205.745
Yxy	73.3385, 0.3031, 0.3279
Android (android.graphics.Color)	4292141538 (0xFFD4E1E2)
YUV	221.2270, 2.3531, -8.0921
Hunter-Lab	85.6379, -8.5383, 2.8057

Details

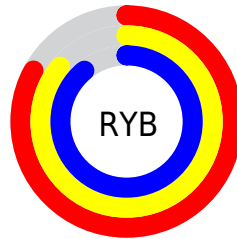
The XYZ color **67.8041, 73.3385, 82.5336** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.0422, 68.5102, 71.9789**, and the grayscale version is **68.8765, 72.4634, 78.9127**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.6300, 38.8578, 44.1505** is the 20% darker color. If you saturate the color by 10%, you get **61.3075, 69.3489, 82.1071**, and if you desaturate by 10%, it is **75.2209, 77.8127, 83.0074**.

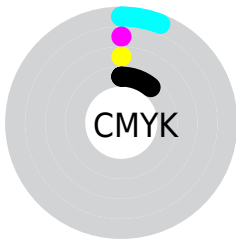
Distribution



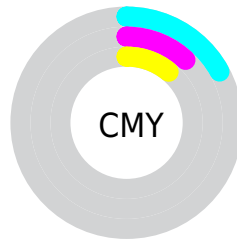
- Red (83%)
- Green (88%)
- Blue (89%)



- Red (83%)
- Yellow (86%)
- Blue (89%)



- Cyan (6%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



- Cyan (17%)
- Magenta (12%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.8041, 73.3385, 82.5336 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 67.8041, 73.3385, 82.5336 by changing the saturation by 10% instead.

■ 67.8041, 73.3385,
82.5336

■ 67.8041, 73.3385,
82.5336

442.1892,
472.1872, 523.3610

■ 50.0115, 54.2528,
61.2671

115.1153,
123.9576, 138.7654

■ 35.6403, 38.8038,
44.0088

145.3646,
156.2599, 174.5678

■ 24.3254, 26.6071,
30.3402

180.4968,
193.7364, 216.0526

■ 15.7012, 17.2784,
19.8427

220.8773,
236.7716, 263.6383

■ 9.4025, 10.4332,
12.0978

266.8714,
285.7499, 317.7434

■ 5.0638, 5.6871,
6.6870

318.8446,

■ 2.3199, 2.6558,

341.0556, 378.7866

3.1917

377.1620,
403.0733, 447.1863

■ 0.8048, 0.9548,
1.1933

■ 0.0000, 0.0000,
0.0000

■ 67.8041, 73.3385,
82.5336

■ 67.8041, 73.3385,
82.5336

■ 61.3075, 69.3489,
82.1071

■ 75.2209, 77.8127,
83.0074

■ 55.6871, 65.8150,
81.7212

■ 82.7723, 82.3603,
83.4872

■ 50.9048, 62.7192,
81.3757

■ 83.2174, 83.2506,
83.6356

■ 46.9171, 60.0390,
81.0685

■ 83.6667, 84.1492,
83.7853

■ 43.6765, 57.7501,
80.7975

■ 84.1202, 85.0561,
83.9365

■ 41.1307, 55.8253,
80.5602

■ 84.5778, 85.9713,
84.0890

■ 39.2204, 54.2341,
80.3537

■ 85.0395, 86.8948,
84.2429

■ 37.8765, 52.9408,
80.1749

■ 85.5055, 87.8266,
84.3983

■ 37.0125, 51.9009,
80.0198

■ 85.9756, 88.7669,
84.5550

Harmonies

Analogous

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



67.6024, 73.3385, 79.4012



67.8041, 73.3385, 82.5336



68.5134, 73.3385, 85.0046

Triad

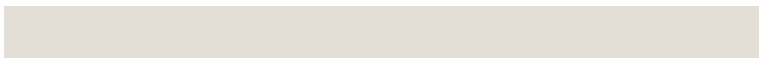
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.8041, 73.3385, 82.5336



71.4823, 73.3385, 83.3380



69.8643, 73.3385, 73.9202

Complementary

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



67.8041, 73.3385, 82.5336



67.0422, 68.5102, 71.9789

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.



70.9125, 73.3385, 74.9141



67.8041, 73.3385, 82.5336



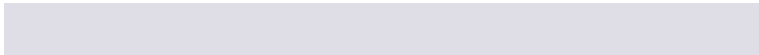
71.8529, 73.3385, 80.3069

Square

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



67.8041, 73.3385, 82.5336



70.6358, 73.3385, 85.4776



71.6432, 73.3385, 77.2314



68.7845, 73.3385, 74.4810

Rectangle

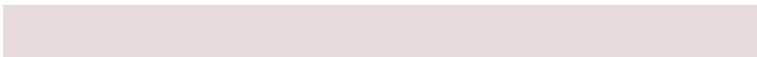
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



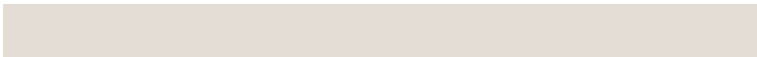
67.8041, 73.3385, 82.5336



69.1826, 73.3385, 85.9156



71.6432, 73.3385, 77.2314



70.2321, 73.3385, 74.0828

Sweetspot

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



67.8062, 73.3416, 82.5352



93.0828, 98.8141, 108.7748



66.3507, 73.1917, 73.5380



19.9442, 21.1627, 23.2836



0.0000, 0.0000, 0.0000



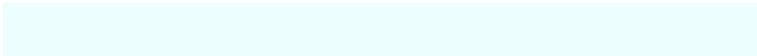
20.3446, 21.4041, 23.3091

Same Dimension

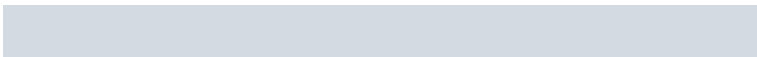
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.8062, 73.3416, 82.5352



88.3812, 95.9624, 108.4722



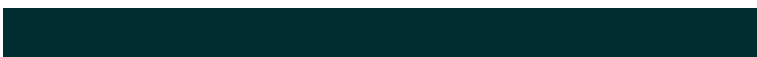
65.9687, 69.6667, 81.9227



14.3009, 15.5629, 17.6379



21.0046, 29.4788, 45.6313



1.4813, 2.0940, 3.1714

Inverse Universe

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



68.4998, 68.6934, 80.8867



89.4137, 89.0537, 106.0155



68.8246, 72.0749, 72.5730



14.4804, 14.3631, 17.2106



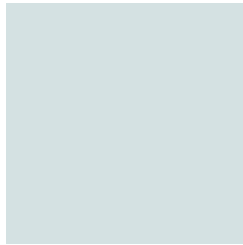
24.5424, 11.8839, 35.8514



1.7139, 0.8288, 2.5524

Previews

White Background



This preview shows how the XYZ color 67.8041, 73.3385, 82.5336 looks on a white background.

Color Contrast Check

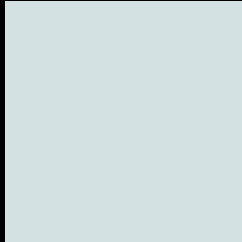
Large Text (above 18pt) WCAG AA × Fail

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 67.8041, 73.3385, 82.5336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

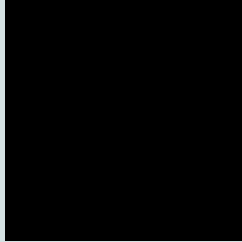
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

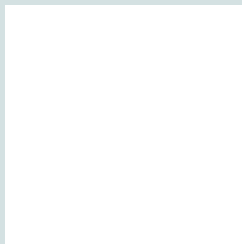
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.8041, 73.3385, 82.5336

Background



This preview shows how black text looks on a background with the XYZ color 67.8041, 73.3385, 82.5336.

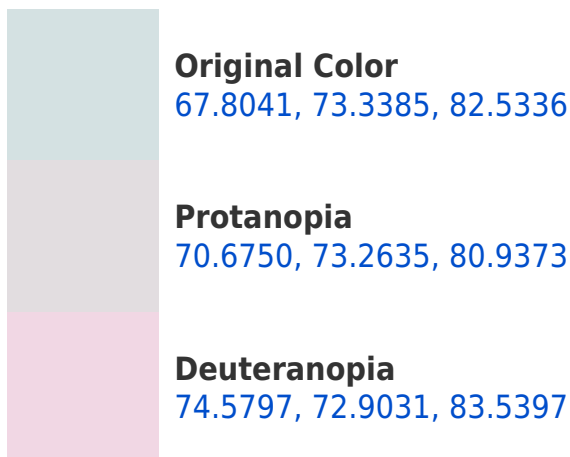


This preview shows how white text looks on a background with the XYZ color 67.8041, 73.3385,

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

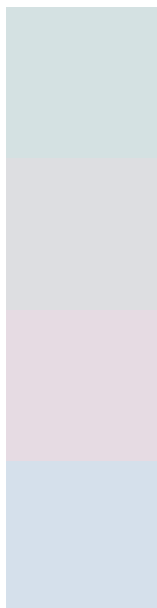




Tritanopia

69.8474, 73.3628, 92.9172

Trichromacy



Original Color

67.8041, 73.3385, 82.5336

Protanomaly

69.5307, 73.0509, 81.6697

Deuteranomaly

71.8298, 73.0321, 82.9838

Tritanomaly

69.0916, 73.4556, 89.1341

Monochromacy



Original Color

67.8041, 73.3385, 82.5336

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.3540, 72.4757, 80.1986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8041, 73.3385, 82.5336 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(212, 225, 226) looks like.

```
.text, #text, p{  
    color:rgb(212, 225, 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(212, 225, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 225, 226) }
```

Border

The CSS property to change the border of an element to XYZ 67.8041, 73.3385, 82.5336 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(212, 225, 226) }
```


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

```
.border{ border-color:rgb(212, 225, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 225, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 225, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 225, 226);  
box-shadow:4px 4px 4px 4px rgb(212, 225,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8041, 73.3385, 82.5336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 225, 226) }
```

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

```
.background{ background-color: rgb(212,  
225, 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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