

Converting Colors

XYZ(67.7416, 73.3492, 77.2664)

Have a look what the booklet for
XYZ(67.7416, 73.3492, 77.2664)
contains.

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Color

**XYZ(67.7357, 73.4120,
77.6177)**

Conversions

Conversions Part 1

Format	Color
Hex	D7E1DB
RGB	215, 225, 219
RGB Percent	84%, 88%, 86%
CMY	0.1569, 0.1176, 0.1412
CMYK	0.04, 0.00, 0.03, 0.12
HSL	144°, 14%, 86%
HSV	144°, 4%, 88%
XYZ	67.7357, 73.4120, 77.6177
YIQ	221.3260, -4.0340, -3.9860

Conversions

Conversions Part 2

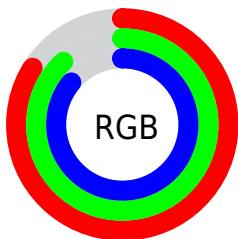
Format	Color
R _Y B	215, 222, 225
Decimal	14148059
CIE Lab	88.64, -4.44, 1.76
CIE LCh	89, 4.776, 158.384
Yxy	73.4120, 0.3096, 0.3356
Android (android.graphics.Color)	4292338139 (0xFFD7E1DB)
YUV	221.3260, -1.1467, -5.5479
Hunter-Lab	85.6808, -8.8267, 6.2661

Details

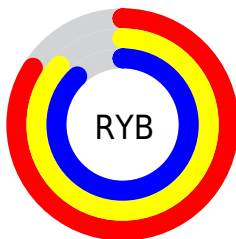
The XYZ color **67.7357, 73.4120, 77.6177** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.4056, 69.8307, 78.2835**, and the grayscale version is **68.9679, 72.5596, 79.0174**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.5728, 38.9034, 40.7562** is the 20% darker color. If you saturate the color by 10%, you get **59.8716, 69.5571, 68.3438**, and if you desaturate by 10%, it is **76.6569, 77.7993, 87.6970**.

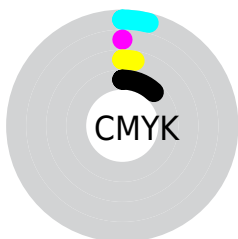
Distribution



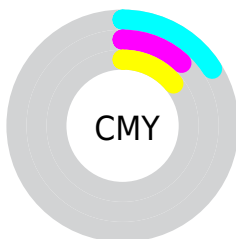
- Red (84%)
- Green (88%)
- Blue (86%)



- Red (84%)
- Yellow (87%)
- Blue (88%)



- Cyan (4%)
- Magenta (0%)
- Yellow (3%)
- Black (12%)



- Cyan (16%)
- Magenta (12%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7357, 73.4120, 77.6177 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 67.7357, 73.4120, 77.6177 by changing the saturation by 10% instead.

■ 67.7357, 73.4120,
77.6177

■ 67.7357, 73.4120,
77.6177

441.9504,
472.4415, 506.3610

■ 49.9556, 54.3129,
57.2454

115.0180,
124.0619, 131.7920

■ 35.5958, 38.8519,
40.7916

145.2508,
156.3816, 166.4311

■ 24.2908, 26.6445,
27.8378

180.3654,
193.8768, 206.6629

■ 15.6754, 17.3064,
17.9655

220.7270,
236.9321, 252.9059

■ 9.3841, 10.4532,
10.7560

266.7009,
285.9318, 305.5787

■ 5.0517, 5.7005,
5.7909

318.6525,

■ 2.3127, 2.6638,

341.2604, 365.0998

2.6516

376.9473,
403.3021, 431.8877

■ 0.8011, 0.9589,
0.9189

■ 0.0000, 0.0000,
0.0000

■ 67.7357, 73.4120,
77.6177

■ 67.7357, 73.4120,
77.6177

■ 59.8716, 69.5571,
68.3438

■ 76.6569, 77.7993,
87.6970

■ 53.0181, 66.2049,
59.8507

■ 84.8025, 81.7676,
98.5086

■ 47.1344, 63.3368,
52.1197

■ 86.2167, 82.3333,
105.9556

■ 42.1744, 60.9294,
45.1294

■ 38.0882, 58.9575,
38.8575

■ 34.8209, 57.3931,
33.2805

■ 32.3109, 56.2052,
28.3735

■ 30.4876, 55.3577,
24.1100

■ 29.2650, 54.8070,
20.4613

Harmonies

Analogous

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



68.4088, 73.4120, 75.0603



67.7357, 73.4120, 77.6177



67.6062, 73.4120, 80.8623

Triad

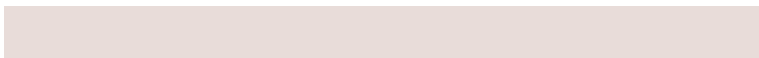
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.7357, 73.4120, 77.6177



70.0996, 73.4120, 86.3785



71.5276, 73.4120, 76.0564

Complementary

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



67.7357, 73.4120, 77.6177



68.4056, 69.8307, 78.2835

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.



71.9915, 73.4120, 79.0113



67.7357, 73.4120, 77.6177



71.1611, 73.4120, 85.0125

Square

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



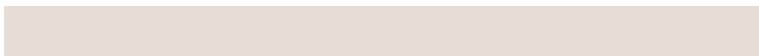
67.7357, 73.4120, 77.6177



68.9626, 73.4120, 85.9805



71.8567, 73.4120, 82.2943



70.5955, 73.4120, 74.1763

Rectangle

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



67.7357, 73.4120, 77.6177



67.8442, 73.4120, 82.9887



71.8567, 73.4120, 82.2943



71.7440, 73.4120, 76.9536

Sweetspot

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



67.7378, 73.4151, 77.6193



93.8726, 99.4214, 107.5639



69.0633, 74.1586, 74.9649



20.1050, 21.2864, 23.0372



0.0000, 0.0000, 0.0000



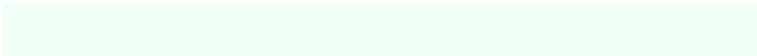
20.3446, 21.4041, 23.3091

Same Dimension

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



67.7378, 73.4151, 77.6193



89.3061, 97.1784, 102.3281



68.3840, 73.6736, 81.0222



14.4124, 15.7503, 16.5125



16.6323, 31.4778, 11.0527



1.1962, 2.1992, 0.9944

Inverse Universe

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



68.4056, 69.8307, 78.2835



90.3065, 91.8091, 103.3230



67.7702, 69.5766, 74.9377



14.5947, 14.7717, 16.6938



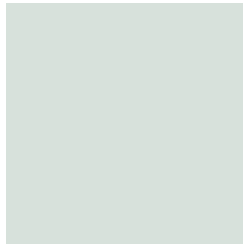
20.4736, 10.2564, 14.4257



1.4630, 0.7285, 1.2309

Previews

White Background



This preview shows how the XYZ color 67.7357, 73.4120, 77.6177 looks on a white background.

Color Contrast Check

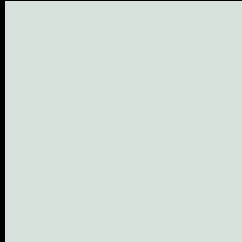
Large Text (above 18pt) WCAG AA × Fail

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 67.7357, 73.4120, 77.6177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

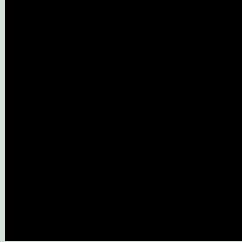
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

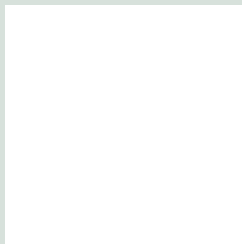
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.7357, 73.4120, 77.6177

Background



This preview shows how black text looks on a background with the XYZ color 67.7357, 73.4120, 77.6177.

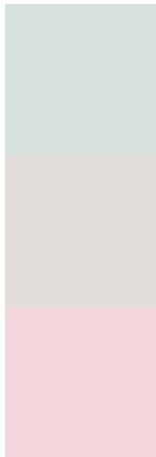


This preview shows how white text looks on a background with the XYZ color 67.7357, 73.4120,

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

67.7357, 73.4120, 77.6177

Protanopia

70.0594, 73.0536, 76.0539

Deuteranopia

74.6598, 73.0544, 78.5725



Tritanopia

70.6147, 73.3800, 92.1033

Trichromacy



Original Color

67.7357, 73.4120, 77.6177

Protanomaly

69.2076, 72.9925, 76.7710

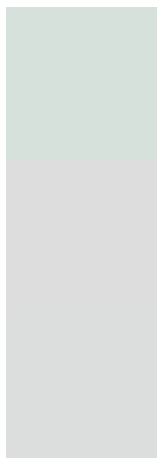
Deuteranomaly

71.8541, 73.1540, 78.0432

Tritanomaly

69.5684, 73.3533, 86.8359

Monochromacy



Original Color

67.7357, 73.4120, 77.6177

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.2530, 72.4699, 78.1009

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7357, 73.4120, 77.6177 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(215, 225, 219) looks like.

```
.text, #text, p{  
    color:rgb(215, 225, 219)  
}
```

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(215, 225, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 225, 219) }
```

Border

The CSS property to change the border of an element to XYZ 67.7357, 73.4120, 77.6177 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(215, 225, 219) }
```


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

```
.border{ border-color:rgb(215, 225, 219) }
```

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

Here you see how a box with a 4 pixel rgb(215, 225, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 225, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 225, 219);  
box-shadow:4px 4px 4px 4px rgb(215, 225,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7357, 73.4120, 77.6177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 225, 219) }
```

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

```
.background{ background-color: rgb(215,  
225, 219) }
```

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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