

Converting Colors

XYZ(68.6270, 77.6826, 72.8898)

Have a look what the booklet for
XYZ(68.6270, 77.6826, 72.8898)
contains.

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Color

**XYZ(68.6213, 77.6949,
73.0079)**

Conversions

Conversions Part 1

Format	Color
Hex	D5EAD3
RGB	213, 234, 211
RGB Percent	84%, 92%, 83%
CMY	0.1647, 0.0823, 0.1725
CMYK	0.09, 0.00, 0.10, 0.08
HSL	115°, 35%, 87%
HSV	115°, 10%, 92%
XYZ	68.6213, 77.6949, 73.0079
YIQ	225.0990, -5.1330, -11.6050

Conversions

Conversions Part 2

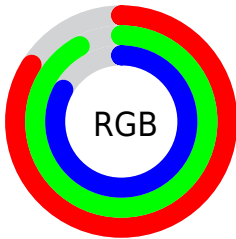
Format	Color
R _Y B	211, 234, 232
Decimal	14019283
CIE Lab	90.64, -11.11, 8.81
CIE LCh	91, 14.178, 141.578
Yxy	77.6949, 0.3129, 0.3542
Android (android.graphics.Color)	4292209363 (0xFFD5EAD3)
YUV	225.0990, -6.9508, -10.6108
Hunter-Lab	88.1447, -15.2897, 12.5930

Details

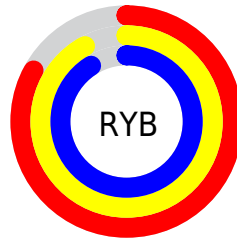
The XYZ color **68.6213, 77.6949, 73.0079** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.4272, 69.6869, 87.5322**, and the grayscale version is **71.6921, 75.4257, 82.1385**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.0217, 41.5102, 37.5662** is the 20% darker color. If you saturate the color by 10%, you get **60.1045, 73.6212, 58.3944**, and if you desaturate by 10%, it is **78.3860, 82.3670, 89.9123**.

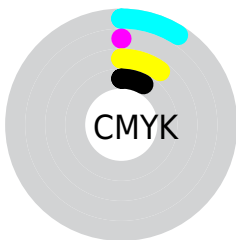
Distribution



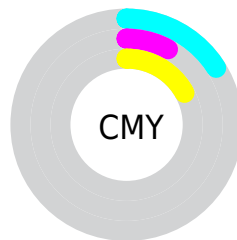
- Red (84%)
- Green (92%)
- Blue (83%)



- Red (83%)
- Yellow (92%)
- Blue (91%)



- Cyan (9%)
- Magenta (0%)
- Yellow (10%)
- Black (8%)



- Cyan (16%)
- Magenta (8%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.6213, 77.6949, 73.0079 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 68.6213, 77.6949, 73.0079 by changing the saturation by 10% instead.

■ 68.6213, 77.6949,
73.0079

■ 68.6213, 77.6949,
73.0079

445.0365,
487.1300, 490.1137

■ 50.6789, 57.8234,
53.4906

116.2775,
130.1199, 125.2094

■ 36.1731, 41.6667,
37.8041

146.7221,
163.4422, 158.7307

■ 24.7387, 28.8404,
25.5300

182.0647,
202.0169, 197.7571

■ 16.0101, 18.9601,
16.2498

222.6708,
246.2284, 242.7070

■ 9.6222, 11.6415,
9.5448

268.9056,
296.4611, 293.9991

■ 5.2095, 6.5000,
4.9966

321.1346,

■ 2.4067, 3.1514,

353.0993, 352.0519

2.1866

379.7231,
416.5275, 417.2839

■ 0.8485, 1.2113,
0.6666

■ 0.0000, 0.0709,
0.0000

■ 68.6213, 77.6949,
73.0079

■ 68.6213, 77.6949,
73.0079

■ 60.1045, 73.6212,
58.3944

■ 78.3860, 82.3670,
89.9123

■ 52.7791, 70.1123,
45.9684

■ 88.7143, 87.3286,
106.7881

■ 46.5939, 67.1462,
35.6262

■ 41.4913, 64.6958,
27.2538

■ 37.4088, 62.7314,
20.7262

■ 34.2774, 61.2206,
15.9041

■ 32.0194, 60.1267,
12.6283

■ 30.5449, 59.4075,
10.7101

■ 29.7295, 59.0057,
9.8337

Harmonies

Analogous

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



71.3620, 77.6949, 67.6713



68.6213, 77.6949, 73.0079



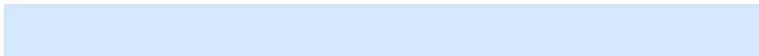
67.2910, 77.6949, 81.7624

Triad

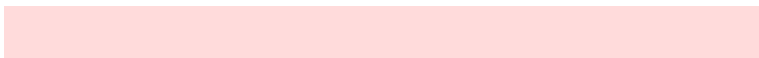
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.6213, 77.6949, 73.0079



72.8503, 77.6949, 105.4704



80.3853, 77.6949, 77.6014

Complementary

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



68.6213, 77.6949, 73.0079



71.4272, 69.6869, 87.5322

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.



80.8148, 77.6949, 87.4955



68.6213, 77.6949, 73.0079



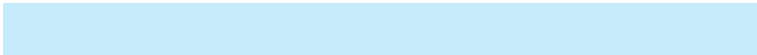
76.3884, 77.6949, 104.1318

Square

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



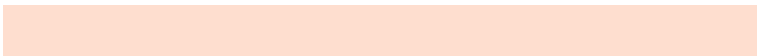
68.6213, 77.6949, 73.0079



69.6809, 77.6949, 100.8741



79.3308, 77.6949, 97.3509



78.1753, 77.6949, 70.1716

Rectangle

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



68.6213, 77.6949, 73.0079



67.3525, 77.6949, 88.5854



79.3308, 77.6949, 97.3509



80.7454, 77.6949, 80.7292

Sweetspot

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



68.6234, 77.6982, 73.0096



91.3193, 98.2162, 102.4237



74.4651, 79.7438, 73.0965



19.3378, 20.9227, 21.5618



0.0000, 0.0000, 0.0000



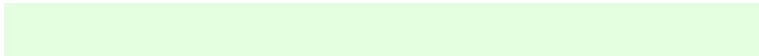
20.3446, 21.4041, 23.3091

Same Dimension

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



68.6234, 77.6982, 73.0096



80.9664, 93.2642, 84.5402



69.2340, 77.8758, 79.2338



14.9897, 16.9247, 15.9955



16.7433, 33.1760, 5.5211



1.3566, 2.6267, 0.4355

Inverse Universe

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



71.4272, 69.6869, 87.5322



85.0813, 81.5055, 105.8556



70.7920, 69.5083, 80.7792



15.5782, 15.2433, 19.0434



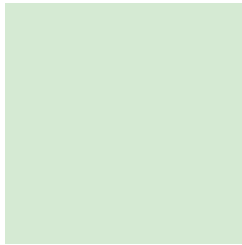
23.9273, 11.3709, 44.6767



1.9169, 0.9125, 3.5100

Previews

White Background



This preview shows how the XYZ color 68.6213, 77.6949, 73.0079 looks on a white background.

Color Contrast Check

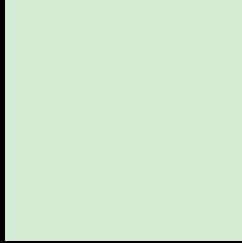
Large Text (above 18pt) WCAG AA × Fail

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 68.6213, 77.6949, 73.0079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

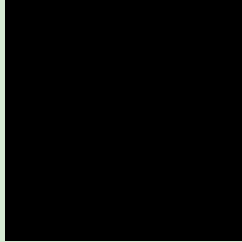
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

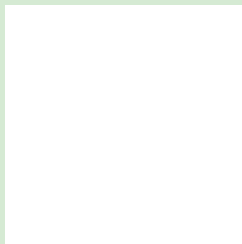
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.6213, 77.6949, 73.0079

Background



This preview shows how black text looks on a background with the XYZ color 68.6213, 77.6949, 73.0079.

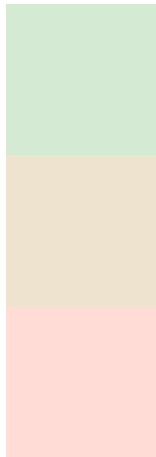


This preview shows how white text looks on a background with the XYZ color 68.6213, 77.6949,

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

68.6213, 77.6949, 73.0079

Protanopia

73.6566, 77.4477, 70.0983

Deuteranopia

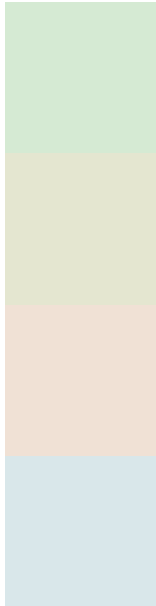
78.9708, 77.3014, 74.3768



Tritanopia

74.0212, 77.8141, 99.1140

Trichromacy



Original Color

68.6213, 77.6949, 73.0079

Protanomaly

71.6769, 77.6417, 70.8831

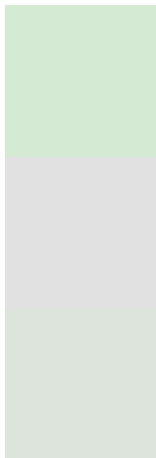
Deuteranomaly

74.8706, 77.1798, 73.9019

Tritanomaly

72.0425, 77.8441, 89.0703

Monochromacy



Original Color

68.6213, 77.6949, 73.0079

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

70.4805, 76.0263, 78.6700

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6213, 77.6949, 73.0079 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(213, 234, 211)` looks like.

```
.text, #text, p{  
    color:rgb(213, 234, 211)  
}
```

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(213, 234, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 234, 211) }
```

Border

The CSS property to change the border of an element to XYZ 68.6213, 77.6949, 73.0079 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(213, 234, 211) }
```


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

```
.border{ border-color:rgb(213, 234, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 234, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 234, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 234, 211);  
box-shadow:4px 4px 4px 4px rgb(213, 234,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6213, 77.6949, 73.0079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 234, 211) }
```

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

```
.background{ background-color: rgb(213,  
234, 211) }
```

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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