

Converting Colors

XYZ(67.0195, 71.5010, 68.8656)

Have a look what the booklet for
XYZ(67.0195, 71.5010, 68.8656)
contains.

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Color

**XYZ(67.1212, 71.6987,
68.6941)**

Conversions

Conversions Part 1

Format	Color
Hex	DEDDCE
RGB	222, 221, 206
RGB Percent	87%, 87%, 81%
CMY	0.1294, 0.1333, 0.1922
CMYK	0.00, 0.00, 0.07, 0.13
HSL	56°, 20%, 84%
HSV	56°, 7%, 87%
XYZ	67.1212, 71.6987, 68.6941
YIQ	219.5890, 5.4110, -4.4530

Conversions

Conversions Part 2

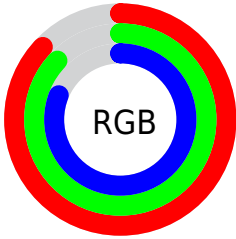
Format	Color
R _Y B	207, 222, 206
Decimal	14605774
CIE Lab	87.82, -2.26, 7.47
CIE LCh	88, 7.806, 106.813
Yxy	71.6987, 0.3235, 0.3455
Android (android.graphics.Color)	4292795854 (0xFFDEDDCE)
YUV	219.5890, -6.6994, 2.1144
Hunter-Lab	84.6751, -6.6860, 11.1725

Details

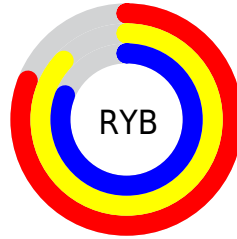
The XYZ color **67.1212, 71.6987, 68.6941** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **60.9512, 63.0204, 78.0596**, and the grayscale version is **67.7853, 71.3154, 77.6625**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.2401, 37.7549, 35.1358** is the 20% darker color. If you saturate the color by 10%, you get **64.2500, 69.9713, 55.3579**, and if you desaturate by 10%, it is **70.3803, 73.5907, 84.0407**.

Distribution



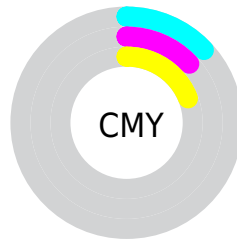
- Red (87%)
- Green (87%)
- Blue (81%)



- Red (81%)
- Yellow (87%)
- Blue (81%)



- Cyan (0%)
- Magenta (0%)
- Yellow (7%)
- Black (13%)



- Cyan (13%)
- Magenta (13%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.1212, 71.6987, 68.6941 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 67.1212, 71.6987, 68.6941 by changing the saturation by 10% instead.

■ 67.1212, 71.6987,
68.6941

■ 67.1212, 71.6987,
68.6941

439.8018,
466.4922, 474.6160

■ 49.4542, 52.9126,
49.9924

114.1429,
121.6281, 119.0081

■ 35.1959, 37.7330,
35.0362

144.2283,
153.5401, 151.4576

■ 23.9811, 25.7755,
23.4070

179.1839,
190.5962, 189.3267

■ 15.4442, 16.6558,
14.6862

219.3750,
233.1809, 233.0340

■ 9.2201, 9.9894,
8.4553

265.1670,
281.6784, 282.9980

■ 4.9433, 5.3919,
4.2957

316.9252,

■ 2.2484, 2.4790,

336.4732, 339.6373

1.7889

375.0150,
397.9497, 403.3705

■ 0.7681, 0.8661,
0.4206

■ 0.0000, 0.0000,
0.0000

■ 67.1212, 71.6987,
68.6941

■ 67.1212, 71.6987,
68.6941

■ 64.2500, 69.9713,
55.3579

■ 70.3803, 73.5907,
84.0407

■ 61.7450, 68.3929,
43.9438

■ 74.0364, 75.6440,
101.4718

■ 59.5911, 66.9596,
34.3638

■ 75.1403, 76.6813,
105.4484

■ 57.7699, 65.6642,
26.5214

■ 75.5156, 77.4319,
105.5735

■ 56.2615, 64.4987,
20.3109

■ 75.8940, 78.1887,
105.6996

■ 55.0435, 63.4541,
15.6156

■ 76.2754, 78.9515,
105.8268

■ 54.0908, 62.5203,
12.3028

■ 76.6598, 79.7204,
105.9549

■ 53.3740, 61.6857,
10.2173

■ 77.0473, 80.4953,
106.0841

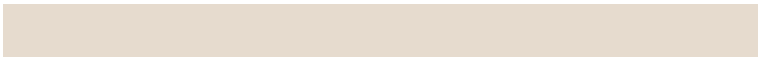
■ 52.8540, 60.9344,
9.1539

■ 77.4379, 81.2764,
106.2143

Harmonies

Analogous

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



68.9642, 71.6987, 68.5406



67.1212, 71.6987, 68.6941



65.5804, 71.6987, 71.2850

Triad

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



67.1212, 71.6987, 68.6941



65.7360, 71.6987, 85.7532



71.6787, 71.6987, 80.4207

Complementary

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



67.1212, 71.6987, 68.6941



60.9512, 63.0204, 78.0596

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.



70.7807, 71.6987, 85.2676



67.1212, 71.6987, 68.6941



67.3372, 71.6987, 88.4391

Square

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



67.1212, 71.6987, 68.6941



64.7906, 71.6987, 81.0591



69.1841, 71.6987, 88.2574



71.6183, 71.6987, 75.1508

Rectangle

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



67.1212, 71.6987, 68.6941



64.9218, 71.6987, 74.1154



69.1841, 71.6987, 88.2574



71.4782, 71.6987, 82.1581

Sweetspot

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



67.1232, 71.7018, 68.6956



94.1385, 99.4735, 104.5990



63.4671, 64.1815, 68.1185



20.1591, 21.2970, 22.4335



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.



67.1232, 71.7018, 68.6956



91.1187, 97.7012, 90.4369



65.3066, 71.1568, 68.6862



14.7949, 15.8758, 14.5913



31.3484, 36.1348, 5.3225



2.1953, 2.5495, 0.3764

Inverse Universe

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



60.9512, 63.0204, 78.0596



80.6194, 82.9331, 106.3663



62.6783, 63.5538, 78.0716



13.0202, 13.3795, 17.2839



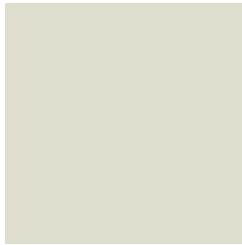
7.9506, 3.3708, 41.2799



0.5756, 0.2826, 2.8695

Previews

White Background



This preview shows how the XYZ color 67.1212, 71.6987, 68.6941 looks on a white background.

Color Contrast Check

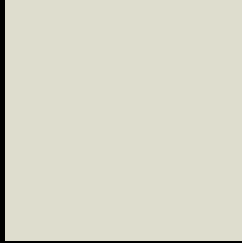
Large Text (above 18pt) WCAG AA × Fail

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 67.1212, 71.6987, 68.6941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

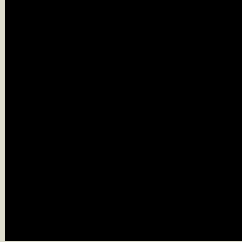
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

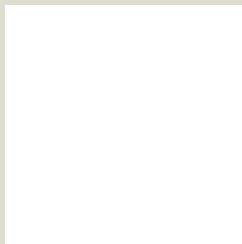
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.1212, 71.6987, 68.6941

Background



This preview shows how black text looks on a background with the XYZ color 67.1212, 71.6987, 68.6941.



This preview shows how white text looks on a background with the XYZ color 67.1212, 71.6987,

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

67.1212, 71.6987, 68.6941

Protanopia

68.3459, 71.5648, 67.9688

Deuteranopia

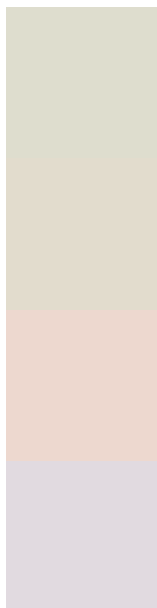
73.1855, 71.7354, 69.6635



Tritanopia

71.0282, 71.7350, 87.9445

Trichromacy



Original Color

67.1212, 71.6987, 68.6941

Protanomaly

67.9767, 71.7629, 68.0265

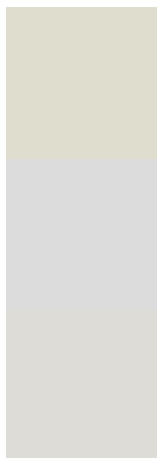
Deuteranomaly

70.7434, 71.6213, 69.1272

Tritanomaly

69.5773, 71.5322, 80.6610

Monochromacy



Original Color

67.1212, 71.6987, 68.6941

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

67.6777, 71.4648, 74.5171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.1212, 71.6987, 68.6941 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(222, 221, 206) looks like.

```
.text, #text, p{  
    color:rgb(222, 221, 206)  
}
```

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(222, 221, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 221, 206) }
```

Border

The CSS property to change the border of an element to XYZ 67.1212, 71.6987, 68.6941 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(222, 221, 206) }
```


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

```
.border{ border-color:rgb(222, 221, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 221, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 221, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 221, 206);  
box-shadow:4px 4px 4px 4px rgb(222, 221,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 67.1212, 71.6987, 68.6941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 221, 206) }
```

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

```
.background{ background-color: rgb(222,  
221, 206) }
```

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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