

Converting Colors

XYZ(69.8790, 76.1025, 71.9908)

Have a look what the booklet for
XYZ(69.8790, 76.1025, 71.9908)
contains.

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Color

**XYZ(70.0836, 76.3797,
72.0217)**

Conversions

Conversions Part 1

Format	Color
Hex	DFE5D2
RGB	223, 229, 210
RGB Percent	87%, 90%, 82%
CMY	0.1255, 0.1019, 0.1765
CMYK	0.03, 0.00, 0.08, 0.10
HSL	79°, 27%, 86%
HSV	79°, 8%, 90%
XYZ	70.0836, 76.3797, 72.0217
YIQ	225.0400, 2.5230, -7.1810

Conversions

Conversions Part 2

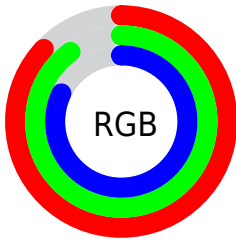
Format	Color
R_{YB}	210, 229, 216
Decimal	14673362
CIE Lab	90.04, -5.34, 8.56
CIE LCh	90, 10.086, 121.938
Yxy	76.3797, 0.3208, 0.3496
Android (android.graphics.Color)	4292863442 (0xFFDFE5D2)
YUV	225.0400, -7.4147, -1.7891
Hunter-Lab	87.3955, -9.8006, 12.3166

Details

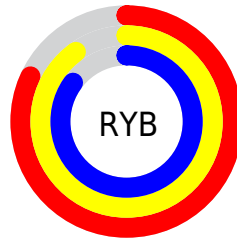
The XYZ color **70.0836, 76.3797, 72.0217** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.5112, 66.3513, 83.4869**, and the grayscale version is **71.6489, 75.3802, 82.0891**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.2853, 40.9972, 37.4006** is the 20% darker color. If you saturate the color by 10%, you get **65.2511, 74.1971, 57.9529**, and if you desaturate by 10%, it is **75.4239, 78.7814, 88.2486**.

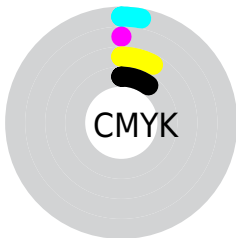
Distribution



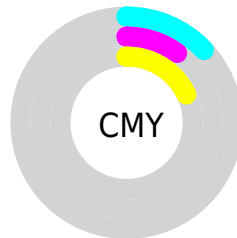
- Red (87%)
- Green (90%)
- Blue (82%)



- Red (82%)
- Yellow (90%)
- Blue (85%)



- Cyan (3%)
- Magenta (0%)
- Yellow (8%)
- Black (10%)



- Cyan (13%)
- Magenta (10%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0836, 76.3797, 72.0217 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 70.0836, 76.3797, 72.0217 by changing the saturation by 10% instead.

■ 70.0836, 76.3797,
72.0217

■ 70.0836, 76.3797,
72.0217

450.1053,
482.6465, 486.5967

■ 51.8745, 56.7439,
52.6895

118.3536,
128.2635, 123.7954

■ 37.1289, 40.7997,
37.1689

149.1452,
161.2803, 157.0739

■ 25.4815, 28.1626,
25.0415

184.8617,
199.5262, 195.8383

■ 16.5668, 18.4483,
15.8887

225.8685,
243.3856, 240.5070

■ 10.0195, 11.2723,
9.2919

272.5309,
293.2430, 291.4987

■ 5.4742, 6.2503,
4.8327

325.2143,

■ 2.5657, 2.9979,

349.4827, 349.2319

2.0924

384.2840,
412.4890, 414.1250

■ 0.9285, 1.1306,
0.6112

■ 0.0000, 0.0039,
0.0000

■ 70.0836, 76.3797,
72.0217

■ 70.0836, 76.3797,
72.0217

■ 65.2511, 74.1971,
57.9529

■ 75.4239, 78.7814,
88.2486

■ 60.9017, 72.2162,
45.9463

■ 81.1536, 81.3474,
106.0321

■ 57.0178, 70.4321,
35.9061

■ 83.6249, 82.6214,
106.1478

■ 53.5782, 68.8364,
27.7272

■ 86.1948, 83.9463,
106.2680

■ 50.5599, 67.4197,
21.2943

■ 87.3108, 84.5216,
106.3203

■ 47.9372, 66.1715,
16.4796

■ 45.6812, 65.0801,
13.1376

■ 43.7582, 64.1319,
11.0971

■ 42.1199, 63.3075,
10.1115

Harmonies

Analogous

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



72.4342, 76.3797, 70.1521



70.0836, 76.3797, 72.0217



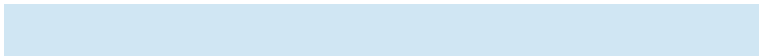
68.4374, 76.3797, 76.8558

Triad

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



70.0836, 76.3797, 72.0217



70.3590, 76.3797, 95.9123



77.5069, 76.3797, 82.6998

Complementary

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



70.0836, 76.3797, 72.0217



65.5112, 66.3513, 83.4869

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.



76.9211, 76.3797, 89.8093



70.0836, 76.3797, 72.0217



72.7593, 76.3797, 97.6941

Square

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



70.0836, 76.3797, 72.0217



68.5938, 76.3797, 90.6609



75.1690, 76.3797, 95.4011



76.7522, 76.3797, 76.0932

Rectangle

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



70.0836, 76.3797, 72.0217



67.9410, 76.3797, 81.2490



75.1690, 76.3797, 95.4011



77.4602, 76.3797, 85.1098

Sweetspot

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



70.0857, 76.3830, 72.0234



93.6493, 99.3715, 104.6051



68.4277, 70.2717, 70.9311



20.0595, 21.2762, 22.4348



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.



70.0857, 76.3830, 72.0234



88.3106, 96.9690, 88.5577



67.3278, 74.9613, 71.8943



15.1355, 16.5769, 15.3064



24.0609, 36.1853, 5.7163



1.8731, 2.7230, 0.4269

Inverse Universe

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



65.5112, 66.3513, 83.4869



81.3190, 81.6362, 106.0791



68.3058, 67.7919, 83.6177



14.0092, 14.1070, 18.1289



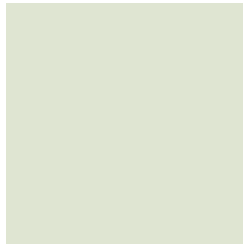
9.7393, 4.0867, 42.6587



0.8132, 0.3502, 3.1567

Previews

White Background



This preview shows how the XYZ color 70.0836, 76.3797, 72.0217 looks on a white background.

Color Contrast Check

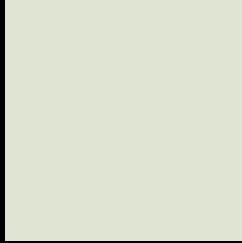
Large Text (above 18pt) WCAG AA × Fail

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 70.0836, 76.3797, 72.0217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

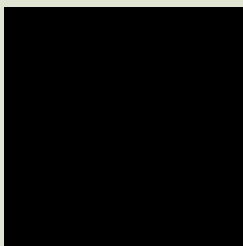
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

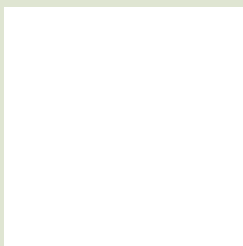
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.0836, 76.3797, 72.0217

Background



This preview shows how black text looks on a background with the XYZ color 70.0836, 76.3797, 72.0217.



This preview shows how white text looks on a background with the XYZ color 70.0836, 76.3797,

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

70.0836, 76.3797, 72.0217

Protanopia

72.5713, 76.0667, 70.5319

Deuteranopia

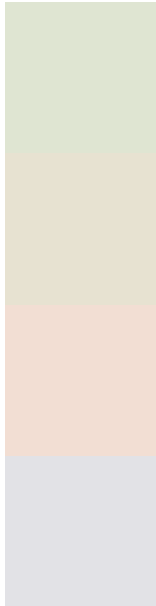
77.4631, 75.7789, 72.8314



Tritanopia

74.6776, 76.2161, 94.7796

Trichromacy



Original Color

70.0836, 76.3797, 72.0217

Protanomaly

71.6600, 75.9851, 71.2113

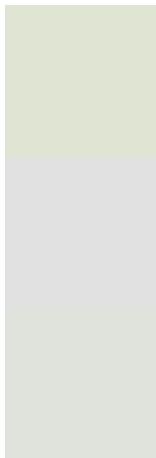
Deuteranomaly

74.4971, 75.8229, 72.3369

Tritanomaly

72.8433, 76.2746, 85.7461

Monochromacy



Original Color

70.0836, 76.3797, 72.0217

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

70.8551, 75.4073, 78.5307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0836, 76.3797, 72.0217 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(223, 229, 210)` looks like.

```
.text, #text, p{  
    color:rgb(223, 229, 210)  
}
```

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(223, 229, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 229, 210) }
```

Border

The CSS property to change the border of an element to XYZ 70.0836, 76.3797, 72.0217 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(223, 229, 210) }
```


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

```
.border{ border-color:rgb(223, 229, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 229, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 229, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 229, 210);  
box-shadow:4px 4px 4px 4px rgb(223, 229,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0836, 76.3797, 72.0217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 229, 210) }
```

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

```
.background{ background-color: rgb(223,  
229, 210) }
```

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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