

Converting Colors

XYZ(69.9298, 77.8517, 72.5256)

Have a look what the booklet for
XYZ(69.9298, 77.8517, 72.5256)
contains.

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Color

**XYZ(69.9852, 77.9910,
72.3379)**

Conversions

Conversions Part 1

Format	Color
Hex	DBE9D2
RGB	219, 233, 210
RGB Percent	86%, 91%, 82%
CMY	0.1412, 0.0863, 0.1765
CMYK	0.06, 0.00, 0.10, 0.09
HSL	97°, 34%, 87%
HSV	97°, 10%, 91%
XYZ	69.9852, 77.9910, 72.3379
YIQ	226.1920, -0.9610, -10.1210

Conversions

Conversions Part 2

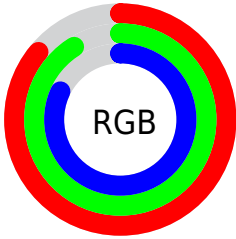
Format	Color
RYB	210, 233, 224
Decimal	14412242
CIELab	90.78, -8.74, 9.58
CIELCh	91, 12.968, 132.367
Yxy	77.9910, 0.3177, 0.3540
Android (android.graphics.Color)	4292602322 (0xFFDBE9D2)
YUV	226.1920, -7.9827, -6.3074
Hunter-Lab	88.3125, -13.0906, 13.2536

Details

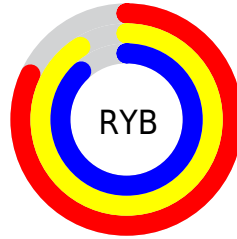
The XYZ color **69.9852, 77.9910, 72.3379** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.4980, 67.8257, 86.5762**, and the grayscale version is **72.4859, 76.2608, 83.0480**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.0327, 41.7371, 37.5567** is the 20% darker color. If you saturate the color by 10%, you get **63.2044, 74.8090, 57.9545**, and if you desaturate by 10%, it is **77.5567, 81.5363, 88.9678**.

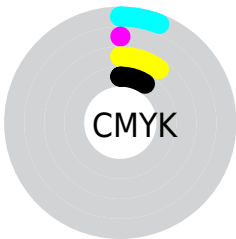
Distribution



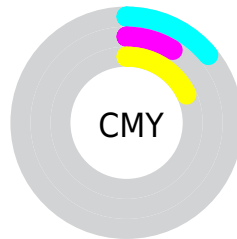
- Red (86%)
- Green (91%)
- Blue (82%)



- Red (82%)
- Yellow (91%)
- Blue (88%)



- Cyan (6%)
- Magenta (0%)
- Yellow (10%)
- Black (9%)



- Cyan (14%)
- Magenta (9%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9852, 77.9910, 72.3379 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 69.9852, 77.9910, 72.3379 by changing the saturation by 10% instead.

69.9852, 77.9910,
72.3379

69.9852, 77.9910,
72.3379

449.7653,
488.1363, 487.7260

51.7940, 58.0666,
52.9462

118.2140,
130.5374, 124.2490

37.0645, 41.8622,
37.3724

148.9824,
163.9282, 157.6055

25.4314, 28.9934,
25.1979

184.6739,
202.5766, 196.4540

16.5292, 19.0758,
16.0042

225.6538,
246.8670, 241.2131

9.9926, 11.7251,
9.3727

272.2876,
297.1838, 292.3013

5.4563, 6.5568,
4.8850

324.9405,

2.5549, 3.1865,

353.9113, 350.1372

2.1224

383.9779,
417.4340, 415.1392

■ 0.9230, 1.2299,
0.6290

■ 0.0000, 0.0859,
0.0000

■ 69.9852, 77.9910,
72.3379

■ 69.9852, 77.9910,
72.3379

■ 63.2044, 74.8090,
57.9545

■ 77.5567, 81.5363,
88.9678

■ 57.1807, 71.9683,
45.7164

■ 85.6791, 85.3425,
106.5647

■ 51.8872, 69.4596,
35.5220

■ 88.4304, 86.7608,
106.6935

■ 47.2932, 67.2694,
27.2596

■ 43.3652, 65.3832,
20.8068

■ 40.0667, 63.7851,
16.0273

■ 37.3568, 62.4575,
12.7651

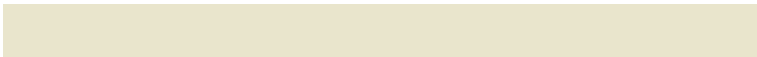
■ 35.1885, 61.3802,
10.8353

■ 33.4899, 60.5229,
9.9255

Harmonies

Analogous

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



72.7942, 77.9910, 68.5681



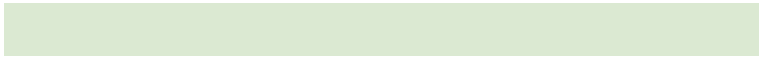
69.9852, 77.9910, 72.3379



68.3153, 77.9910, 79.5979

Triad

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



69.9852, 77.9910, 72.3379



72.2461, 77.9910, 103.1953



80.4189, 77.9910, 81.1332

Complementary

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



69.9852, 77.9910, 72.3379



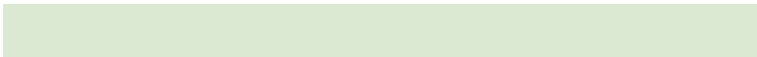
68.4980, 67.8257, 86.5762

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.



80.2616, 77.9910, 90.4720



69.9852, 77.9910, 72.3379



75.4782, 77.9910, 103.6821

Square

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



69.9852, 77.9910, 72.3379



69.5941, 77.9910, 97.5952



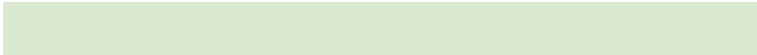
78.4314, 77.9910, 98.8802



78.8549, 77.9910, 73.3908

Rectangle

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



69.9852, 77.9910, 72.3379



68.0419, 77.9910, 85.6622



78.4314, 77.9910, 98.8802



80.5668, 77.9910, 84.1800

Sweetspot

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



69.9873, 77.9944, 72.3396



92.1499, 98.6444, 102.4626



71.8421, 75.1837, 71.6993



19.5612, 21.0379, 21.5723



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.



69.9873, 77.9944, 72.3396



83.9845, 94.8201, 84.6814



67.6411, 76.7515, 73.7368



15.4257, 17.1495, 16.0159



19.1203, 34.4013, 5.6324



1.6065, 2.7555, 0.4472

Inverse Universe

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



68.4980, 67.8257, 86.5762



81.7852, 79.8063, 105.7014



71.0352, 69.1714, 84.9905



15.1113, 15.0026, 19.0216



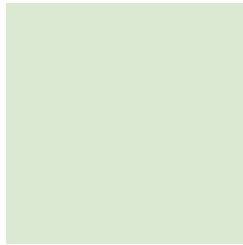
14.8032, 6.6673, 44.2497



1.2698, 0.5789, 3.4797

Previews

White Background



This preview shows how the XYZ color 69.9852, 77.9910, 72.3379 looks on a white background.

Color Contrast Check

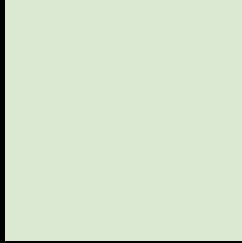
Large Text (above 18pt) WCAG AA × Fail

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 69.9852, 77.9910, 72.3379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

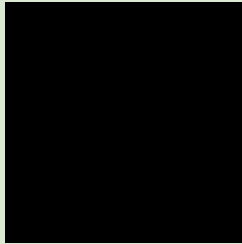
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

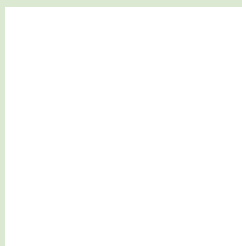
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.9852, 77.9910, 72.3379

Background



This preview shows how black text looks on a background with the XYZ color 69.9852, 77.9910, 72.3379.

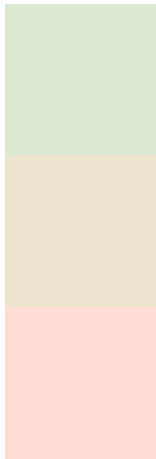


This preview shows how white text looks on a background with the XYZ color 69.9852, 77.9910,

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

69.9852, 77.9910, 72.3379

Protanopia

73.9309, 77.9963, 70.1897

Deuteranopia

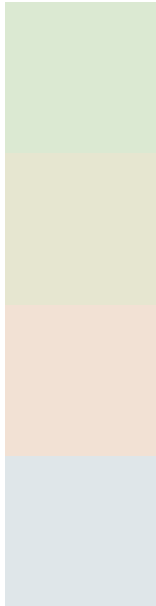
79.1067, 77.7770, 73.7939



Tritanopia

75.4293, 78.1482, 98.2973

Trichromacy



Original Color

69.9852, 77.9910, 72.3379

Protanomaly

72.3151, 77.9707, 70.9129

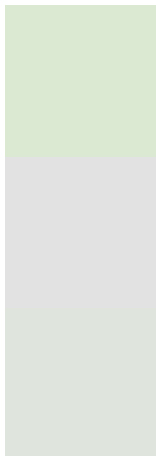
Deuteranomaly

75.4268, 77.4811, 73.2673

Tritanomaly

73.4362, 78.1648, 88.3076

Monochromacy



Original Color

69.9852, 77.9910, 72.3379

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.3690, 76.8939, 78.7906

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9852, 77.9910, 72.3379 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(219, 233, 210) looks like.

```
.text, #text, p{  
    color:rgb(219, 233, 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(219, 233, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 233, 210) }
```

Border

The CSS property to change the border of an element to XYZ 69.9852, 77.9910, 72.3379 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(219, 233, 210) }
```


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

```
.border{ border-color:rgb(219, 233, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 233, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 233, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 233, 210);  
box-shadow:4px 4px 4px 4px rgb(219, 233,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9852, 77.9910, 72.3379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 233, 210) }
```

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

```
.background{ background-color: rgb(219,  
233, 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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