

Converting Colors

XYZ(70.8861, 77.8920, 79.7725)

Have a look what the booklet for
XYZ(70.8861, 77.8920, 79.7725)
contains.

XYZ(70.8212, 77.8391, 79.6984)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(70.8212, 77.8391,
79.6984)**

Conversions

Conversions Part 1

Format	Color
Hex	DAE8DD
RGB	218, 232, 221
RGB Percent	85%, 91%, 87%
CMY	0.1451, 0.0902, 0.1333
CMYK	0.06, 0.00, 0.05, 0.09
HSL	133°, 23%, 88%
HSV	133°, 6%, 91%
XYZ	70.8212, 77.8391, 79.6984
YIQ	226.5600, -4.8130, -6.3890

Conversions

Conversions Part 2

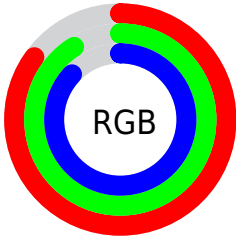
Format	Color
R _{YB}	218, 230, 232
Decimal	14346461
CIE Lab	90.71, -6.65, 3.73
CIE LCh	91, 7.625, 150.689
Yxy	77.8391, 0.3101, 0.3409
Android (android.graphics.Color)	4292536541 (0xFFDAE8DD)
YUV	226.5600, -2.7411, -7.5071
Hunter-Lab	88.2265, -11.1107, 8.1996

Details

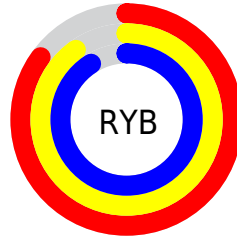
The XYZ color **70.8212, 77.8391, 79.6984** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.4958, 72.9577, 84.3938**, and the grayscale version is **72.7178, 76.5048, 83.3137**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.5125, 41.5904, 42.1270** is the 20% darker color. If you saturate the color by 10%, you get **62.0647, 73.5927, 67.2910**, and if you desaturate by 10%, it is **80.8170, 82.6983, 93.5438**.

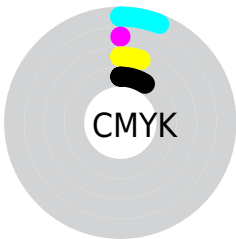
Distribution



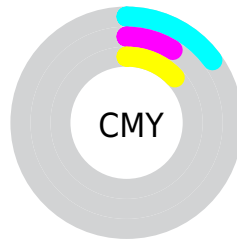
- Red (85%)
- Green (91%)
- Blue (87%)



- Red (85%)
- Yellow (90%)
- Blue (91%)



- Cyan (6%)
- Magenta (0%)
- Yellow (5%)
- Black (9%)



- Cyan (15%)
- Magenta (9%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.8212, 77.8391, 79.6984 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 70.8212, 77.8391, 79.6984 by changing the saturation by 10% instead.

■ 70.8212, 77.8391,
79.6984

■ 70.8212, 77.8391,
79.6984

452.6497,
487.6202, 513.5958

■ 52.4783, 57.9418,
58.9455

119.3990,
130.3233, 134.7492

■ 37.6123, 41.7619,
42.1495

150.3646,
163.6790, 169.8841

■ 25.8577, 28.9149,
28.8919

186.2685,
202.2896, 210.6502

■ 16.8494, 19.0164,
18.7542

227.4761,
246.5395, 257.4659

■ 10.2218, 11.6822,
11.3178

274.3526,
296.8131, 310.7497

■ 5.6097, 6.5276,
6.1642

327.2635,

■ 2.6476, 3.1685,

353.4949, 370.9203

2.8748

386.5741,
416.9691, 438.3961

■ 0.9703, 1.2203,
1.0310

■ 0.0000, 0.0782,
0.0000

■ 70.8212, 77.8391,
79.6984

■ 70.8212, 77.8391,
79.6984

■ 62.0647, 73.5927,
67.2910

■ 80.8170, 82.6983,
93.5438

■ 54.4924, 69.9252,
56.2705

■ 88.1481, 86.1962,
106.5994

■ 48.0549, 66.8141,
46.5901

■ 42.6965, 64.2319,
38.1985

■ 38.3568, 62.1487,
31.0412

■ 34.9694, 60.5313,
25.0596

■ 32.4598, 59.3427,
20.1906

■ 30.7417, 58.5399,
16.3647

■ 29.7100, 58.0703,
13.5047

Harmonies

Analogous

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



72.1215, 77.8391, 76.0101



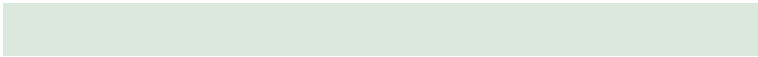
70.8212, 77.8391, 79.6984



70.3649, 77.8391, 84.8804

Triad

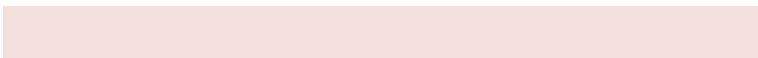
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.8212, 77.8391, 79.6984



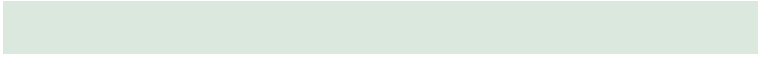
74.0280, 77.8391, 95.7342



77.1935, 77.8391, 79.4878

Complementary

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



70.8212, 77.8391, 79.6984



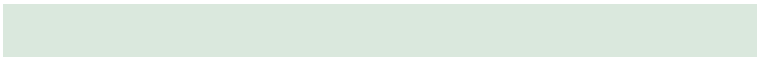
72.4958, 72.9577, 84.3938

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.



77.7246, 77.8391, 84.6268



70.8212, 77.8391, 79.6984



75.8778, 77.8391, 94.1431

Square

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



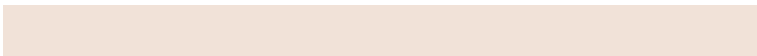
70.8212, 77.8391, 79.6984



72.1969, 77.8391, 94.2791



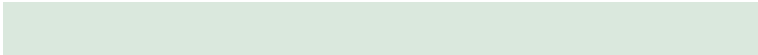
77.2390, 77.8391, 90.0181



75.7998, 77.8391, 75.8922

Rectangle

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



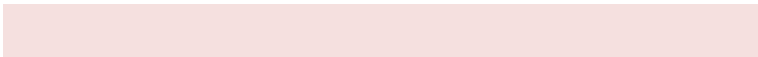
70.8212, 77.8391, 79.6984



70.5944, 77.8391, 88.5316



77.2390, 77.8391, 90.0181



77.4799, 77.8391, 81.0845

Sweetspot

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



70.8234, 77.8424, 79.7001



92.5599, 98.7901, 105.4507



73.8916, 79.4699, 77.7754



19.8377, 21.1578, 22.6070



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.



70.8234, 77.8424, 79.7001



86.6085, 95.8997, 97.1446



71.7484, 78.2124, 84.5713



14.6773, 16.3153, 16.4340



16.3738, 32.1816, 7.2029



1.2438, 2.3916, 0.7105

Inverse Universe

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



72.4958, 72.9577, 84.3938



89.0080, 88.8914, 103.8787



71.5642, 72.5851, 79.4882



15.1157, 15.0349, 17.6642



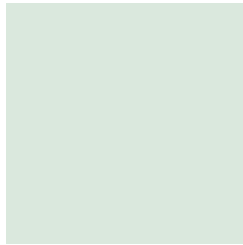
23.2277, 11.4253, 25.8919



1.7495, 0.8575, 2.0874

Previews

White Background



This preview shows how the XYZ color 70.8212, 77.8391, 79.6984 looks on a white background.

Color Contrast Check

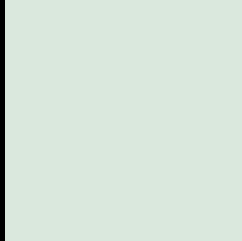
Large Text (above 18pt) WCAG AA × Fail

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 70.8212, 77.8391, 79.6984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

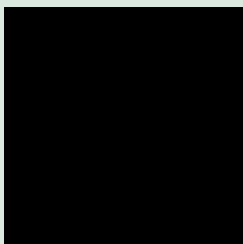
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

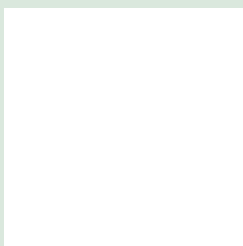
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.8212, 77.8391, 79.6984

Background



This preview shows how black text looks on a background with the XYZ color 70.8212, 77.8391, 79.6984.



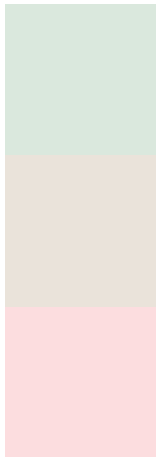
This preview shows how white text looks on a background with the XYZ color 70.8212, 77.8391,

79.6984.

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

70.8212, 77.8391, 79.6984

Protanopia

74.0557, 77.4926, 77.3841

Deuteranopia

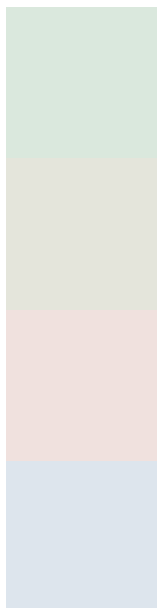
79.3206, 77.7361, 80.6360



Tritanopia

74.5022, 77.6702, 98.2539

Trichromacy



Original Color

70.8212, 77.8391, 79.6984

Protanomaly

72.8004, 77.6471, 78.1682

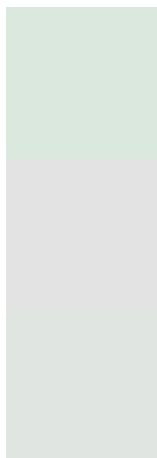
Deuteranomaly

76.0452, 77.6496, 80.0871

Tritanomaly

73.1242, 77.5252, 91.2306

Monochromacy



Original Color

70.8212, 77.8391, 79.6984

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

72.3504, 77.3222, 82.3456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.8212, 77.8391, 79.6984 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(218, 232, 221) looks like.

```
.text, #text, p{  
    color:rgb(218, 232, 221)  
}
```

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(218, 232, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 232, 221) }
```

Border

The CSS property to change the border of an element to XYZ 70.8212, 77.8391, 79.6984 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(218, 232, 221) }
```


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

```
.border{ border-color:rgb(218, 232, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 232, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 232, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 232, 221);  
box-shadow:4px 4px 4px 4px rgb(218, 232,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 70.8212, 77.8391, 79.6984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 232, 221) }
```

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

```
.background{ background-color: rgb(218,  
232, 221) }
```

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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