

Converting Colors

XYZ(72.7675, 78.6930, 70.7380)

Have a look what the booklet for
XYZ(72.7675, 78.6930, 70.7380)
contains.

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Color

**XYZ(72.9161, 78.6948,
71.0210)**

Conversions

Conversions Part 1

Format	Color
Hex	E7E7D0
RGB	231, 231, 208
RGB Percent	91%, 91%, 82%
CMY	0.0941, 0.0941, 0.1843
CMYK	0.00, 0.00, 0.10, 0.09
HSL	60°, 32%, 86%
HSV	60°, 10%, 91%
XYZ	72.9161, 78.6948, 71.0210
YIQ	228.3780, 7.3830, -7.1530

Conversions

Conversions Part 2

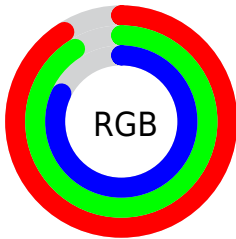
Format	Color
R _Y B	208, 231, 208
Decimal	15198160
CIE Lab	91.10, -3.90, 11.20
CIE LCh	91, 11.860, 109.211
Yxy	78.6948, 0.3275, 0.3535
Android (android.graphics.Color)	4293388240 (0xFFE7E7D0)
YUV	228.3780, -10.0464, 2.2995
Hunter-Lab	88.7101, -8.5229, 14.6297

Details

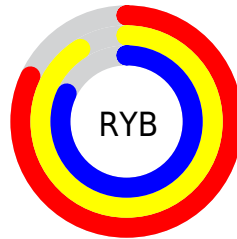
The XYZ color **72.9161, 78.6948, 71.0210** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **62.9950, 64.2932, 84.6951**, and the grayscale version is **74.0889, 77.9473, 84.8846**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.8419, 42.1070, 36.6521** is the 20% darker color. If you saturate the color by 10%, you get **70.2779, 77.6420, 57.1266**, and if you desaturate by 10%, it is **75.9726, 79.9201, 87.0990**.

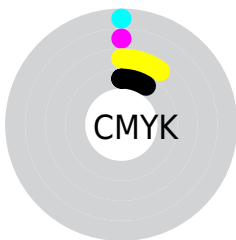
Distribution



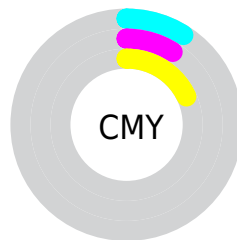
- Red (91%)
- Green (91%)
- Blue (82%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.9161, 78.6948, 71.0210 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 72.9161, 78.6948, 71.0210 by changing the saturation by 10% instead.

72.9161, 78.6948,
71.0210

72.9161, 78.6948,
71.0210

459.8323,
490.5233, 483.0125

54.1955, 58.6449,
51.8774

122.3619,
131.5291, 122.3584

38.9893, 42.3273,
36.5258

153.8177,
165.0823, 155.3892

26.9321, 29.3577,
24.5476

190.2494,
203.9054, 193.8862

17.6585, 19.3516,
15.5244

232.0223,
248.3828, 238.2679

10.8033, 11.9246,
9.0376

279.5016,
298.8989, 288.9528

6.0010, 6.6924,
4.6685

333.0528,

2.8864, 3.2705,

355.8381, 346.3595

1.9988

393.0413,
419.5847, 410.9066

■ 1.0940, 1.2745,
0.5545

■ 0.0201, 0.1213,
0.0000

■ 72.9161, 78.6948,
71.0210

■ 72.9161, 78.6948,
71.0210

■ 70.2779, 77.6420,
57.1266

■ 75.9726, 79.9201,
87.0990

■ 68.0339, 76.7442,
45.3169

■ 79.4576, 81.3143,
105.4437

■ 66.1669, 75.9972,
35.4929

■ 79.5872, 81.3663,
106.1183

■ 64.6562, 75.3928,
27.5456

■ 79.5886, 81.3671,
106.1184

63.4793, 74.9218,
21.3556

79.5901, 81.3678,
106.1185

62.6108, 74.5743,
16.7896

79.5915, 81.3685,
106.1185

62.0218, 74.3385,
13.6955

79.5929, 81.3693,
106.1186

61.6780, 74.2008,
11.8924

79.5944, 81.3700,
106.1187

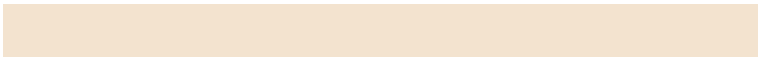
61.5205, 74.1376,
11.0703

79.5958, 81.3708,
106.1187

Harmonies

Analogous

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



75.8814, 78.6948, 70.4687



72.9161, 78.6948, 71.0210



70.5167, 78.6948, 75.3458

Triad

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



72.9161, 78.6948, 71.0210



71.0939, 78.6948, 98.8032



80.6041, 78.6948, 88.8131

Complementary

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



72.9161, 78.6948, 71.0210



62.9950, 64.2932, 84.6951

Split Complementary

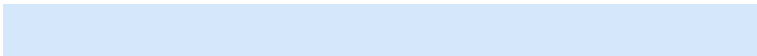
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.2472, 78.6948, 96.9298



72.9161, 78.6948, 71.0210



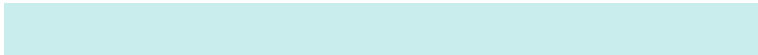
73.7231, 78.6948, 102.9484

Square

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



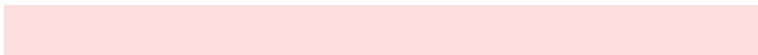
72.9161, 78.6948, 71.0210



69.4842, 78.6948, 91.2336



76.7101, 78.6948, 102.2407



80.3740, 78.6948, 80.3666

Rectangle

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



72.9161, 78.6948, 71.0210



69.5359, 78.6948, 79.9580



76.7101, 78.6948, 102.2407



80.3171, 78.6948, 91.6797

Sweetspot

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



72.9182, 78.6982, 71.0227



93.8420, 99.5168, 102.5418



66.8985, 66.6566, 69.0157



20.0187, 21.2737, 21.5937



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

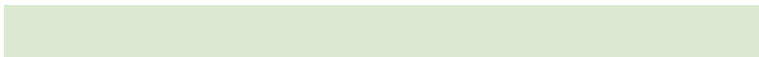
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.9182, 78.6982, 71.0227



90.5067, 98.1824, 84.9867



69.3281, 76.8474, 70.8547



15.6014, 16.8171, 15.3282



34.4872, 41.5603, 6.2043



2.5486, 3.0712, 0.4585

Inverse Universe

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



62.9950, 64.2932, 84.6951



75.6797, 76.6588, 105.4156



66.3461, 66.0207, 84.8519



13.5832, 13.8873, 18.1089



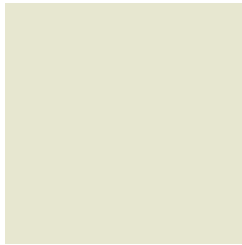
8.0866, 3.2347, 42.5813



0.5977, 0.2391, 3.1466

Previews

White Background



This preview shows how the XYZ color 72.9161, 78.6948, 71.0210 looks on a white background.

Color Contrast Check

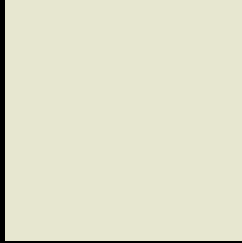
Large Text (above 18pt) WCAG AA × Fail

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 72.9161, 78.6948, 71.0210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

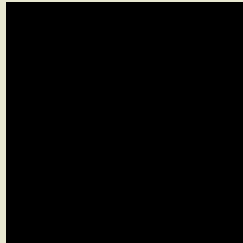
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

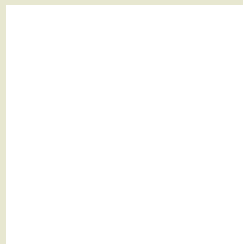
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.9161, 78.6948, 71.0210

Background



This preview shows how black text looks on a background with the XYZ color 72.9161, 78.6948, 71.0210.

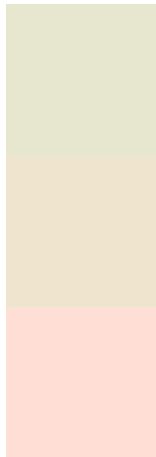


This preview shows how white text looks on a background with the XYZ color 72.9161, 78.6948,

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

72.9161, 78.6948, 71.0210

Protanopia

74.8784, 78.8943, 70.3131

Deuteranopia

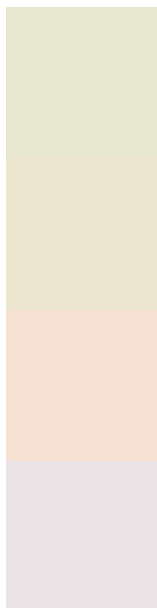
79.3715, 78.3066, 73.8822



Tritanopia

78.1176, 78.7572, 96.6724

Trichromacy



Original Color

72.9161, 78.6948, 71.0210

Protanomaly

74.1514, 78.9315, 70.3586

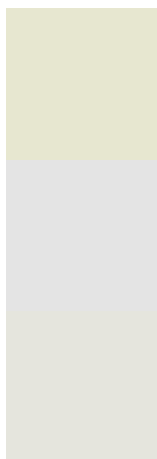
Deuteranomaly

76.6891, 78.1464, 72.6698

Tritanomaly

76.0989, 78.7488, 86.7905

Monochromacy



Original Color

72.9161, 78.6948, 71.0210

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

73.3836, 77.9171, 79.5784

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.9161, 78.6948, 71.0210 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(231, 231, 208) looks like.

```
.text, #text, p{  
    color:rgb(231, 231, 208)  
}
```

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(231, 231, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 231, 208) }
```

Border

The CSS property to change the border of an element to XYZ 72.9161, 78.6948, 71.0210 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(231, 231, 208) }
```


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

```
.border{ border-color:rgb(231, 231, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 231, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 231, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 231, 208);  
box-shadow:4px 4px 4px 4px rgb(231, 231,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 72.9161, 78.6948, 71.0210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 231, 208) }
```

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

```
.background{ background-color: rgb(231,  
231, 208) }
```

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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