

Converting Colors

XYZ(70.9631, 75.2442, 75.5157)

Have a look what the booklet for
XYZ(70.9631, 75.2442, 75.5157)
contains.

XYZ(70.9984, 75.1392, 75.7270)	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(70.9984, 75.1392,
75.7270)**

Conversions

Conversions Part 1

Format	Color
Hex	E3E1D8
RGB	227, 225, 216
RGB Percent	89%, 88%, 85%
CMY	0.1098, 0.1176, 0.1529
CMYK	0.00, 0.01, 0.05, 0.11
HSL	49°, 16%, 87%
HSV	49°, 5%, 89%
XYZ	70.9984, 75.1392, 75.7270
YIQ	224.5720, 4.0810, -2.3750

Conversions

Conversions Part 2

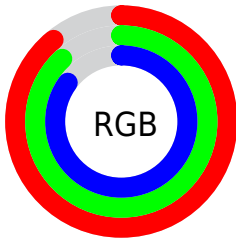
Format	Color
RYB	218, 227, 216
Decimal	14934488
CIELab	89.46, -0.89, 4.63
CIELCh	89, 4.711, 100.903
Yxy	75.1392, 0.3200, 0.3387
Android (android.graphics.Color)	4293124568 (0xFFE3E1D8)
YUV	224.5720, -4.2260, 2.1294
Hunter-Lab	86.6829, -5.4930, 8.8817

Details

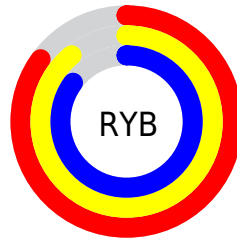
The XYZ color **70.9984, 75.1392, 75.7270** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.2553, 70.2866, 82.6958**, and the grayscale version is **71.2899, 75.0026, 81.6778**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.8210, 40.0933, 39.4636** is the 20% darker color. If you saturate the color by 10%, you get **67.1649, 71.8482, 60.9567**, and if you desaturate by 10%, it is **75.2684, 78.6526, 92.6449**.

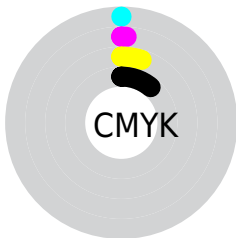
Distribution



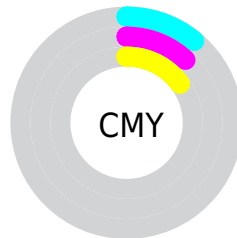
- Red (89%)
- Green (88%)
- Blue (85%)



- Red (85%)
- Yellow (89%)
- Blue (85%)



- Cyan (0%)
- Magenta (1%)
- Yellow (5%)
- Black (11%)



- Cyan (11%)
- Magenta (12%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.9984, 75.1392, 75.7270 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 70.9984, 75.1392, 75.7270 by changing the saturation by 10% instead.

■ 70.9984, 75.1392,
75.7270

■ 70.9984, 75.1392,
75.7270

453.2598,
478.3959, 499.7346

■ 52.6234, 55.7269,
55.7034

119.6500,
126.5094, 129.0975

■ 37.7285, 39.9840,
39.5627

150.6573,
159.2361, 163.2814

■ 25.9483, 27.5261,
26.8866

186.6061,
197.1697, 203.0225

■ 16.9174, 17.9687,
17.2564

227.8617,
240.6947, 248.7393

■ 10.2706, 10.9275,
10.2536

274.7895,
290.1954, 300.8504

■ 5.6424, 6.0181,
5.4596

327.7549,

■ 2.6674, 2.8561,

346.0563, 359.7743

2.4560

387.1232,
408.6616, 425.9295

■ 0.9804, 1.0571,
0.8167

■ 0.0000, 0.0000,
0.0000

■ 70.9984, 75.1392,
75.7270

■ 70.9984, 75.1392,
75.7270

■ 67.1649, 71.8482,
60.9567

■ 75.2684, 78.6526,
92.6449

■ 63.7450, 68.7629,
48.2420

■ 78.9364, 81.9660,
106.2684

■ 60.7229, 65.8791,
37.4915

■ 80.1175, 84.3283,
106.6621

■ 58.0794, 63.1888,
28.6050

■ 81.3260, 86.7453,
107.0649

■ 55.7936, 60.6833,
21.4735

■ 82.5621, 89.2176,
107.4770

■ 53.8424, 58.3532,
15.9764

■ 83.8260, 91.7453,
107.8983

■ 52.2000, 56.1876,
11.9782

■ 85.1178, 94.3289,
108.3289

■ 50.8362, 54.1744,
9.3212

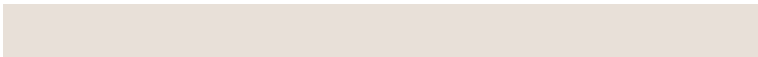
■ 85.4889, 95.0711,
108.4525

■ 49.7141, 52.2983,
7.8127

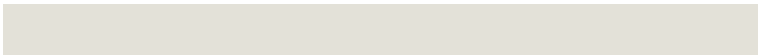
Harmonies

Analogous

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



72.1465, 75.1392, 75.9506



70.9984, 75.1392, 75.7270



69.9735, 75.1392, 77.1010

Triad

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



70.9984, 75.1392, 75.7270



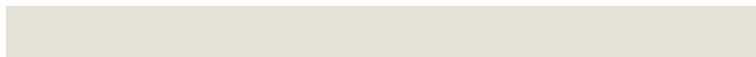
69.7524, 75.1392, 86.0487



73.5364, 75.1392, 83.9120

Complementary

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



70.9984, 75.1392, 75.7270



67.2553, 70.2866, 82.6958

Split Complementary

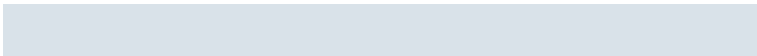
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.8813, 75.1392, 86.7149



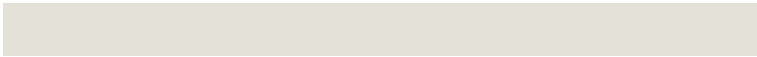
70.9984, 75.1392, 75.7270



70.6936, 75.1392, 87.9713

Square

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



70.9984, 75.1392, 75.7270



69.2593, 75.1392, 83.0225



71.8384, 75.1392, 88.2184



73.6202, 75.1392, 80.6169

Rectangle

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



70.9984, 75.1392, 75.7270



69.4949, 75.1392, 78.7602



71.8384, 75.1392, 88.2184



73.3754, 75.1392, 84.9453

Sweetspot

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



71.0005, 75.1425, 75.7286



94.4947, 99.5420, 106.7029



68.8924, 70.5065, 76.3202



20.2316, 21.3109, 22.8620



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.



71.0005, 75.1425, 75.7286



91.8045, 97.2952, 96.1458



70.4555, 75.6671, 75.8586



15.6142, 16.5592, 16.2054



28.7719, 30.1180, 4.2969



2.1843, 2.3419, 0.3369

Inverse Universe

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



67.2553, 70.2866, 82.6958



85.7773, 89.4806, 107.3583



67.7810, 69.7940, 82.5730



14.4906, 15.1024, 18.2956



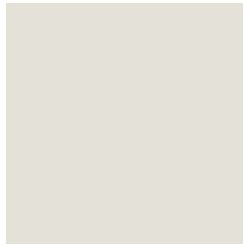
8.6131, 4.2883, 42.7569



0.6980, 0.4399, 3.1801

Previews

White Background



This preview shows how the XYZ color 70.9984, 75.1392, 75.7270 looks on a white background.

Color Contrast Check

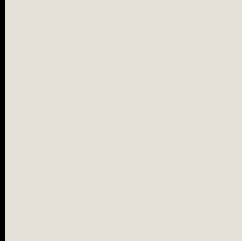
Large Text (above 18pt) WCAG AA × Fail

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 70.9984, 75.1392, 75.7270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

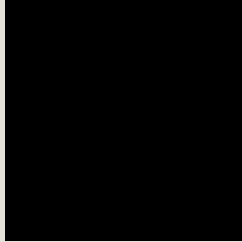
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

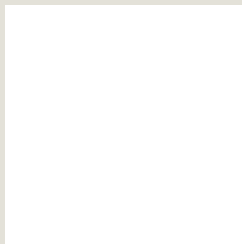
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.9984, 75.1392, 75.7270

Background



This preview shows how black text looks on a background with the XYZ color 70.9984, 75.1392, 75.7270.



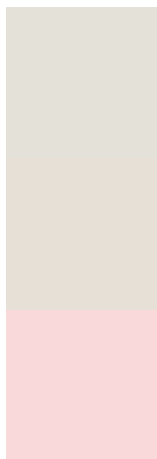
This preview shows how white text looks on a background with the XYZ color 70.9984, 75.1392,

75.7270.

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

70.9984, 75.1392, 75.7270

Protanopia

71.8764, 75.2065, 75.0180

Deuteranopia

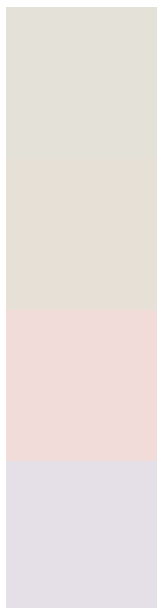
76.5347, 74.8274, 76.7390



Tritanopia

74.3344, 75.2975, 92.2774

Trichromacy



Original Color

70.9984, 75.1392, 75.7270

Protanomaly

71.5545, 75.0406, 75.0029

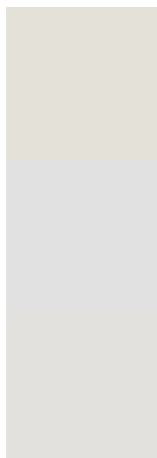
Deuteranomaly

74.3932, 74.8969, 76.1812

Tritanomaly

73.1246, 75.2029, 86.2628

Monochromacy



Original Color

70.9984, 75.1392, 75.7270

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

71.4741, 75.2931, 79.8732

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9984, 75.1392, 75.7270 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(227, 225, 216) looks like.

```
.text, #text, p{  
    color:rgb(227, 225, 216)  
}
```

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(227, 225, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 225, 216) }
```

Border

The CSS property to change the border of an element to XYZ 70.9984, 75.1392, 75.7270 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(227, 225, 216) }
```


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

```
.border{ border-color:rgb(227, 225, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 225, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 225, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 225, 216);  
box-shadow:4px 4px 4px 4px rgb(227, 225,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9984, 75.1392, 75.7270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 225, 216) }
```

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

```
.background{ background-color: rgb(227,  
225, 216) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor