

Converting Colors

XYZ(71.2397, 75.5620, 87.0832)

Have a look what the booklet for
XYZ(71.2397, 75.5620, 87.0832)
contains.

XYZ(71.2770, 75.4346, 87.1476)	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(71.2770, 75.4346,
87.1476)**

Conversions

Conversions Part 1

Format	Color
Hex	DCE2E8
RGB	220, 226, 232
RGB Percent	86%, 89%, 91%
CMY	0.1372, 0.1137, 0.0902
CMYK	0.05, 0.03, 0.00, 0.09
HSL	210°, 21%, 89%
HSV	210°, 5%, 91%
XYZ	71.2770, 75.4346, 87.1476
YIQ	224.8900, -5.5020, 0.5940

Conversions

Conversions Part 2

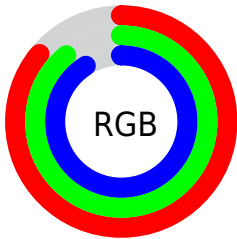
Format	Color
R _Y B	220, 224, 232
Decimal	14476008
CIE Lab	89.60, -0.89, -3.63
CIE LCh	90, 3.739, 256.176
Yxy	75.4346, 0.3048, 0.3226
Android (android.graphics.Color)	4292666088 (0xFFDCE2E8)
YUV	224.8900, 3.5052, -4.2885
Hunter-Lab	86.8531, -5.5048, 1.3061

Details

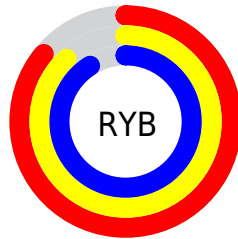
The XYZ color **71.2770, 75.4346, 87.1476** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.3934, 76.7149, 78.6503**, and the grayscale version is **71.4693, 75.1913, 81.8833**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.9164, 40.2597, 46.8468** is the 20% darker color. If you saturate the color by 10%, you get **61.6909, 65.9722, 85.8276**, and if you desaturate by 10%, it is **82.0551, 85.8321, 88.5876**.

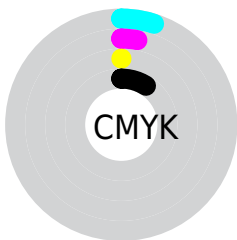
Distribution



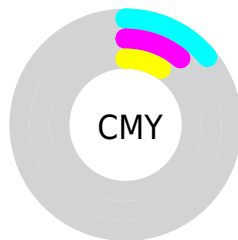
- Red (86%)
- Green (89%)
- Blue (91%)



- Red (86%)
- Yellow (88%)
- Blue (91%)



- Cyan (5%)
- Magenta (3%)
- Yellow (0%)
- Black (9%)



- Cyan (14%)
- Magenta (11%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.2770, 75.4346, 87.1476 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 71.2770, 75.4346, 87.1476 by changing the saturation by 10% instead.

■ 71.2770, 75.4346,
87.1476

■ 71.2770, 75.4346,
87.1476

454.2180,
479.4100, 539.0366

■ 52.8516, 55.9690,
65.0570

120.0444,
126.9274, 145.2705

■ 37.9113, 40.1781,
47.0557

151.1172,
159.7233, 182.1400

■ 26.0908, 27.6774,
32.7250

187.1365,
197.7315, 224.7728

■ 17.0246, 18.0826,
21.6465

228.4676,
241.3364, 273.5876

■ 10.3474, 11.0093,
13.4015

275.4760,
290.9222, 329.0028

■ 5.6940, 6.0731,
7.5717

328.5269,

■ 2.6988, 2.8896,

346.8736, 391.4370

3.7383

387.9858,
409.5747, 461.3087

■ 0.9965, 1.0744,
1.4829

■ 0.0000, 0.0000,
0.2051

■ 71.2770, 75.4346,
87.1476

■ 71.2770, 75.4346,
87.1476

■ 61.6909, 65.9722,
85.8276

■ 82.0551, 85.8321,
88.5876

■ 53.2461, 57.4063,
84.6193

■ 89.7403, 94.9555,
89.9435

■ 45.8978, 49.7095,
83.5209

■ 91.5657, 98.6063,
90.5520

■ 39.5958, 42.8492,
82.5289

■ 34.2852, 36.7904,
81.6394

■ 29.9061, 31.4951,
80.8481

■ 26.3912, 26.9212,
80.1505

■ 23.6625, 23.0210,
79.5415

■ 21.6258, 19.7376,
79.0151

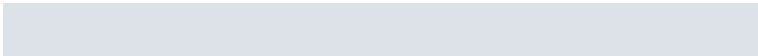
Harmonies

Analogous

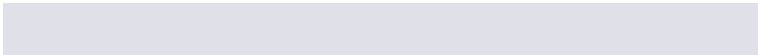
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.4818, 75.4346, 85.8405



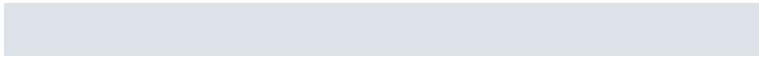
71.2770, 75.4346, 87.1476



72.1917, 75.4346, 87.0917

Triad

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



71.2770, 75.4346, 87.1476



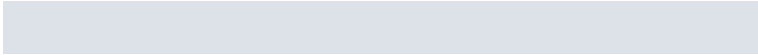
73.4086, 75.4346, 80.7338



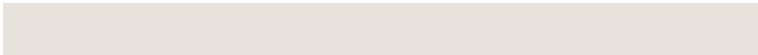
70.4311, 75.4346, 78.6812

Complementary

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



71.2770, 75.4346, 87.1476



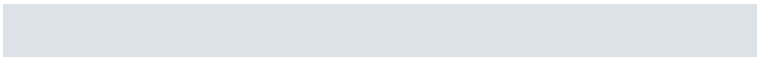
73.3934, 76.7149, 78.6503

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.



71.2072, 75.4346, 77.3709



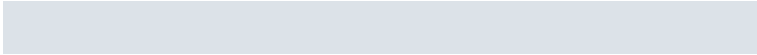
71.2770, 75.4346, 87.1476



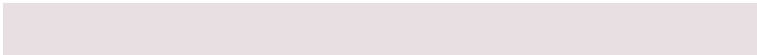
72.9287, 75.4346, 78.5386

Square

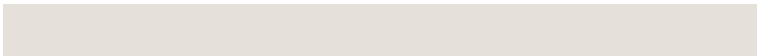
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.2770, 75.4346, 87.1476



73.4277, 75.4346, 83.3504



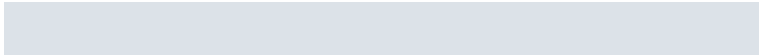
72.1213, 75.4346, 77.3193



69.9963, 75.4346, 80.9324

Rectangle

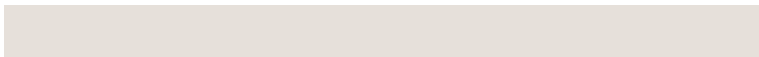
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.2770, 75.4346, 87.1476



72.7463, 75.4346, 86.2880



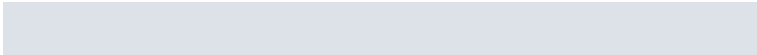
72.1213, 75.4346, 77.3193



70.6605, 75.4346, 78.1183

Sweetspot

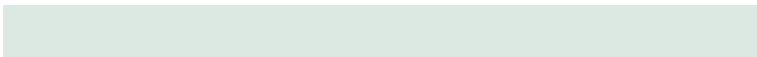
The Sweet Spot groups the original color and five complimentary colors.



71.2792, 75.4378, 87.1493



92.3909, 97.4304, 108.5442



72.0729, 78.4101, 83.1448



19.8034, 20.8811, 23.2367



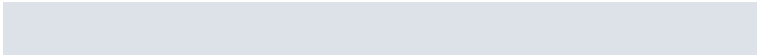
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



71.2792, 75.4378, 87.1493



87.2528, 92.4317, 107.8501



69.7274, 72.3343, 86.6320



14.7653, 15.6518, 18.3872



11.6843, 10.4306, 43.7807



0.9563, 0.9566, 3.2662

Inverse Universe

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



72.6010, 73.8345, 82.3804



89.1552, 90.1410, 100.9831



74.9985, 79.9250, 79.1854



15.1204, 15.2264, 17.1050



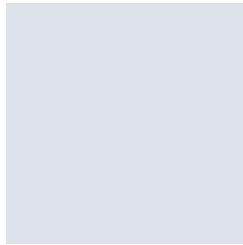
20.2912, 10.2507, 10.4283



1.5463, 0.7762, 1.0175

Previews

White Background



This preview shows how the XYZ color 71.2770, 75.4346, 87.1476 looks on a white background.

Color Contrast Check

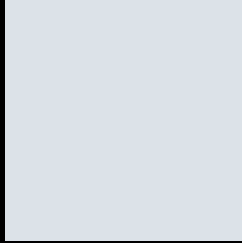
Large Text (above 18pt) WCAG AA × Fail

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 71.2770, 75.4346, 87.1476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

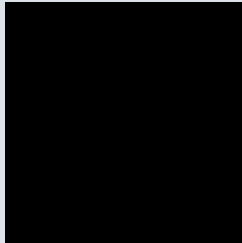
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

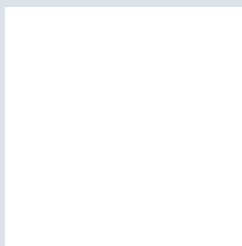
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.2770, 75.4346, 87.1476

Background



This preview shows how black text looks on a background with the XYZ color 71.2770, 75.4346, 87.1476.



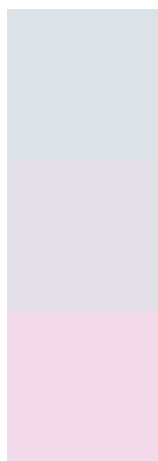
This preview shows how white text looks on a background with the XYZ color 71.2770, 75.4346,

87.1476.

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

71.2770, 75.4346, 87.1476

Protanopia

72.7580, 75.4117, 86.3225

Deuteranopia

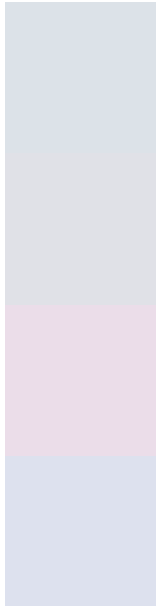
76.8848, 75.1380, 88.2927



Tritanopia

72.8069, 75.2517, 94.6921

Trichromacy



Original Color

71.2770, 75.4346, 87.1476

Protanomaly

72.0895, 75.4672, 86.3684

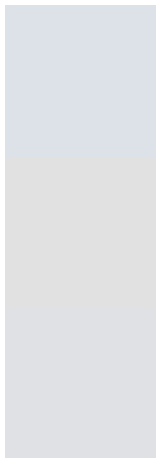
Deuteranomaly

74.8254, 75.2583, 87.6734

Tritanomaly

72.1766, 75.3956, 91.6376

Monochromacy



Original Color

71.2770, 75.4346, 87.1476

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

71.3602, 75.1398, 84.1411

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.2770, 75.4346, 87.1476 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(220, 226, 232) looks like.

```
.text, #text, p{  
    color:rgb(220, 226, 232)  
}
```

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(220, 226, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 226, 232) }
```

Border

The CSS property to change the border of an element to XYZ 71.2770, 75.4346, 87.1476 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(220, 226, 232) }
```


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

```
.border{ border-color:rgb(220, 226, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 226, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 226, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 226, 232);  
box-shadow:4px 4px 4px 4px rgb(220, 226,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 71.2770, 75.4346, 87.1476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 226, 232) }
```

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

```
.background{ background-color: rgb(220,  
226, 232) }
```

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