

Converting Colors

XYZ(72.1493, 77.1730, 84.4932)

Have a look what the booklet for
XYZ(72.1493, 77.1730, 84.4932)
contains.

XYZ(72.1471, 77.1697, 84.4915)	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(72.1471, 77.1697,
84.4915)**

Conversions

Conversions Part 1

Format	Color
Hex	DEE5E4
RGB	222, 229, 228
RGB Percent	87%, 90%, 89%
CMY	0.1294, 0.1019, 0.1059
CMYK	0.03, 0.00, 0.00, 0.10
HSL	171°, 12%, 88%
HSV	171°, 3%, 90%
XYZ	72.1471, 77.1697, 84.4915
YIQ	226.7930, -3.8510, -1.7950

Conversions

Conversions Part 2

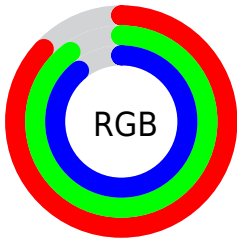
Format	Color
R _Y B	222, 226, 229
Decimal	14607844
CIE Lab	90.40, -2.52, -0.34
CIE LCh	90, 2.538, 187.677
Yxy	77.1697, 0.3086, 0.3301
Android (android.graphics.Color)	4292797924 (0xFFDEE5E4)
YUV	226.7930, 0.5951, -4.2035
Hunter-Lab	87.8463, -7.1311, 4.4666

Details

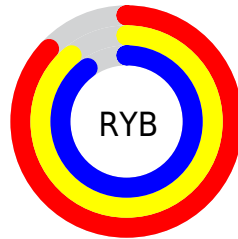
The XYZ color **72.1471, 77.1697, 84.4915** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.7565, 74.2302, 80.3617**, and the grayscale version is **72.8630, 76.6575, 83.4800**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.6152, 41.5047, 45.5111** is the 20% darker color. If you saturate the color by 10%, you get **65.1532, 73.6185, 81.8096**, and if you desaturate by 10%, it is **80.1068, 81.2221, 87.2669**.

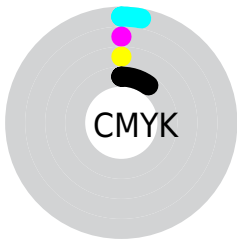
Distribution



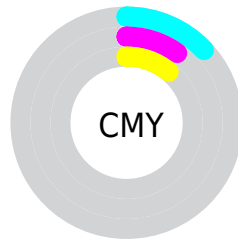
- Red (87%)
- Green (90%)
- Blue (89%)



- Red (87%)
- Yellow (89%)
- Blue (90%)



- Cyan (3%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)



- Cyan (13%)
- Magenta (10%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1471, 77.1697, 84.4915 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 72.1471, 77.1697, 84.4915 by changing the saturation by 10% instead.

■ 72.1471, 77.1697,
84.4915

■ 72.1471, 77.1697,
84.4915

457.2031,
485.3424, 530.0446

■ 53.5647, 57.3922,
62.8736

121.2753,
129.3790, 141.5304

■ 38.4831, 41.3202,
45.2986

152.5519,
162.5796, 177.7884

■ 26.5367, 28.5694,
31.3480

188.7906,
201.0232, 219.7635

■ 17.3604, 18.7553,
20.6033

230.3567,
245.0945, 267.8742

■ 10.5887, 11.4936,
12.6459

277.6157,
295.1776, 322.5392

■ 5.8562, 6.3999,
7.0573

330.9328,

■ 2.7977, 3.0897,

351.6570, 384.1769

3.4190

390.6735,
414.9172, 453.2058

■ 1.0477, 1.1787,
1.3124

■ 0.0000, 0.0442,
0.0719

■ 72.1471, 77.1697,
84.4915

■ 72.1471, 77.1697,
84.4915

■ 65.1532, 73.6185,
81.8096

■ 80.1068, 81.2221,
87.2669

■ 59.0802, 70.5389,
79.2141


■ 84.1935, 83.2747,
89.9049


■ 53.8896, 67.9133,
76.7046


■ 84.6711, 83.4657,
92.4196

■ 49.5376, 65.7189,
74.2788


■ 85.1574, 83.6603,
94.9807


 45.9765, 63.9313,
71.9341


 85.6526, 83.8584,
97.5882


 43.1540, 62.5235,
69.6679


 86.1567, 84.0600,
100.2426


 41.0112, 61.4651,
67.4772

 86.6696, 84.2652,
102.9439

 39.4804, 60.7212,
65.3585

 87.1916, 84.4740,
105.6925

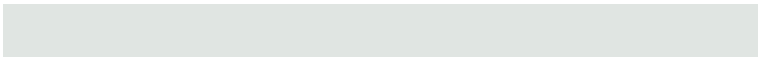
 38.4793, 60.2495,
63.3077

 87.3108, 84.5216,
106.3203

Harmonies

Analogous

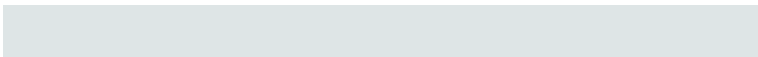
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.2266, 77.1697, 82.7068



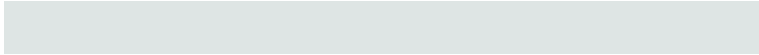
72.1471, 77.1697, 84.4915



72.3878, 77.1697, 86.1747

Triad

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



72.1471, 77.1697, 84.4915



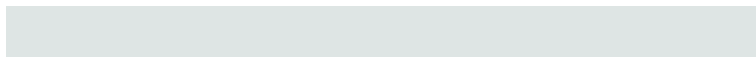
74.0944, 77.1697, 86.8157



73.8111, 77.1697, 80.8392

Complementary

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



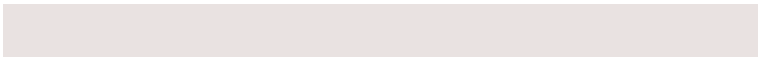
72.1471, 77.1697, 84.4915



71.7565, 74.2302, 80.3617

Split Complementary

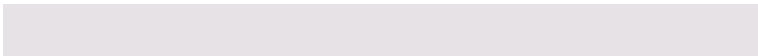
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.3157, 77.1697, 81.9108



72.1471, 77.1697, 84.4915



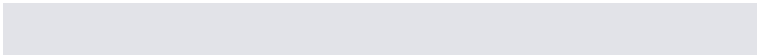
74.4799, 77.1697, 85.3565

Square

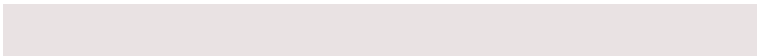
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



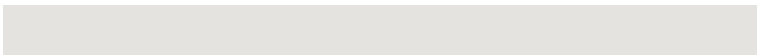
72.1471, 77.1697, 84.4915



73.5103, 77.1697, 87.5290



74.5611, 77.1697, 83.5596



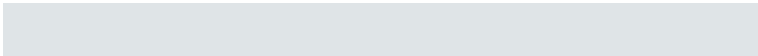
73.1849, 77.1697, 80.6151

Rectangle

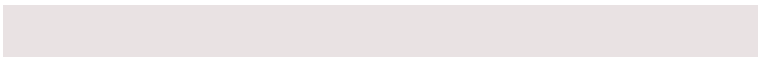
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



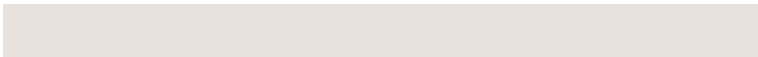
72.1471, 77.1697, 84.4915



72.6982, 77.1697, 87.0068



74.5611, 77.1697, 83.5596



74.0006, 77.1697, 81.1115

Sweetspot

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



72.1493, 77.1730, 84.4932



94.0593, 99.4960, 108.5468



71.6533, 77.0119, 80.1965



20.1430, 21.3016, 23.2372



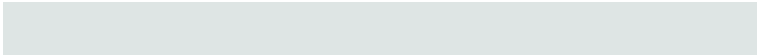
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

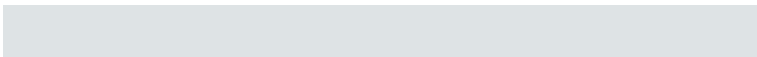
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.1493, 77.1730, 84.4932



91.1619, 98.0227, 107.4942



71.6155, 75.8818, 85.0048



15.4436, 16.6698, 18.3016



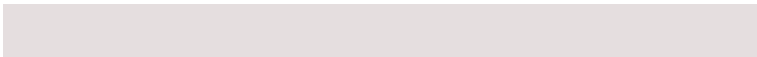
21.7630, 34.3373, 35.5821



1.6327, 2.5472, 2.7581

Inverse Universe

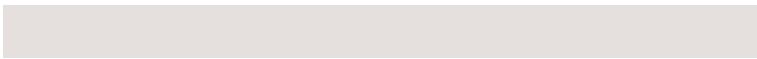
The Inverse Universe completely reimagines the original color for something new.



71.7565, 74.2302, 80.3617



90.5067, 93.1138, 100.6022



72.2774, 75.4880, 79.8695



15.3129, 15.6901, 16.9261



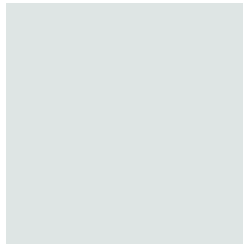
18.6569, 9.5970, 1.8221



1.4053, 0.7198, 0.2748

Previews

White Background



This preview shows how the XYZ color 72.1471, 77.1697, 84.4915 looks on a white background.

Color Contrast Check

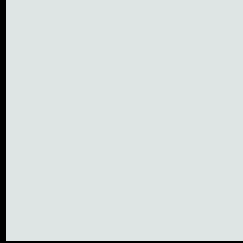
Large Text (above 18pt) WCAG AA × Fail

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 72.1471, 77.1697, 84.4915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

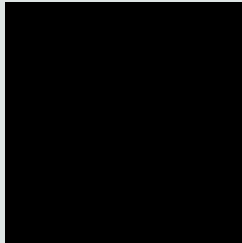
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

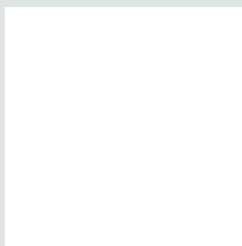
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.1471, 77.1697, 84.4915

Background



This preview shows how black text looks on a background with the XYZ color 72.1471, 77.1697, 84.4915.



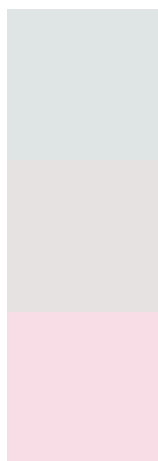
This preview shows how white text looks on a background with the XYZ color 72.1471, 77.1697,

84.4915.

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

72.1471, 77.1697, 84.4915

Protanopia

73.8788, 76.8726, 82.8956

Deuteranopia

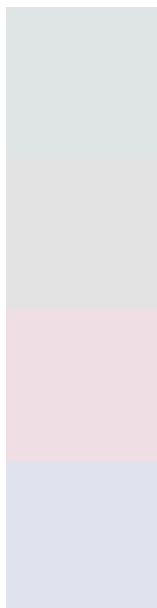
78.5875, 76.8560, 85.5556



Tritanopia

74.5768, 76.9319, 96.5067

Trichromacy



Original Color

72.1471, 77.1697, 84.4915

Protanomaly

73.3291, 76.9782, 83.6665

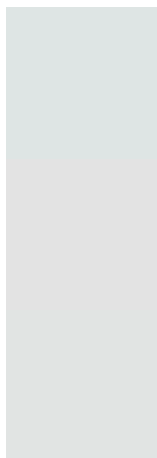
Deuteranomaly

76.1271, 76.7832, 84.9371

Tritanomaly

73.6422, 76.9585, 91.8620

Monochromacy



Original Color

72.1471, 77.1697, 84.4915

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

72.6599, 77.0404, 83.7137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.1471, 77.1697, 84.4915 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(222, 229, 228) looks like.

```
.text, #text, p{  
    color:rgb(222, 229, 228)  
}
```

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(222, 229, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 229, 228) }
```

Border

The CSS property to change the border of an element to XYZ 72.1471, 77.1697, 84.4915 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(222, 229, 228) }
```


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

```
.border{ border-color:rgb(222, 229, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 229, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(222, 229, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(222, 229, 228); box-shadow:4px 4px 4px 4px rgb(222, 229, 228) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1471, 77.1697, 84.4915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 229, 228) }
```

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

```
.background{ background-color: rgb(222,  
229, 228) }
```

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