

Converting Colors

XYZ(72.1937, 82.2113, 77.2701)

Have a look what the booklet for
XYZ(72.1937, 82.2113, 77.2701)
contains.

XYZ(72.1700, 82.0298, 76.9953)	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(72.1700, 82.0298,
76.9953)**

Conversions

Conversions Part 1

Format	Color
Hex	D9F0D8
RGB	217, 240, 216
RGB Percent	85%, 94%, 85%
CMY	0.1490, 0.0588, 0.1529
CMYK	0.10, 0.00, 0.10, 0.06
HSL	118°, 44%, 89%
HSV	118°, 10%, 94%
XYZ	72.1700, 82.0298, 76.9953
YIQ	230.3870, -6.0040, -12.3400

Conversions

Conversions Part 2

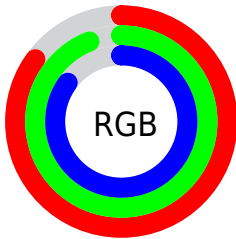
Format	Color
R _Y B	216, 240, 239
Decimal	14282968
CIE Lab	92.59, -11.90, 9.04
CIE LCh	93, 14.943, 142.782
Yxy	82.0298, 0.3122, 0.3548
Android (android.graphics.Color)	4292473048 (0xFFD9F0D8)
YUV	230.3870, -7.0928, -11.7404
Hunter-Lab	90.5703, -16.2622, 12.9958

Details

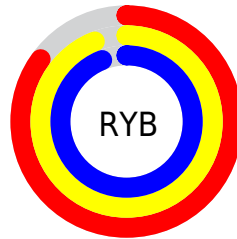
The XYZ color **72.1700, 82.0298, 76.9953** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.8840, 73.7561, 92.6792**, and the grayscale version is **75.5564, 79.4913, 86.5660**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.4738, 44.5356, 40.2867** is the 20% darker color. If you saturate the color by 10%, you get **62.9244, 77.5986, 61.5315**, and if you desaturate by 10%, it is **82.8263, 87.1406, 94.8943**.

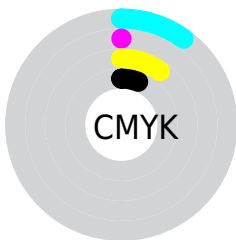
Distribution



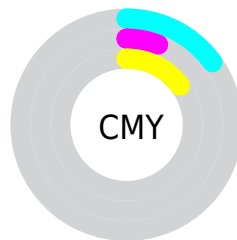
- Red (85%)
- Green (94%)
- Blue (85%)



- Red (85%)
- Yellow (94%)
- Blue (94%)



- Cyan (10%)
- Magenta (0%)
- Yellow (10%)
- Black (6%)



- Cyan (15%)
- Magenta (6%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1700, 82.0298, 76.9953 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 72.1700, 82.0298, 76.9953 by changing the saturation by 10% instead.

72.1700, 82.0298,
76.9953

72.1700, 82.0298,
76.9953

457.2815,
501.7474, 504.1852

53.5835, 61.3901,
56.7375

121.3077,
136.2158, 130.9058

38.4981, 44.5401,
40.3866

152.5896,
170.5309, 165.3956

26.5485, 31.0953,
27.5240

188.8340,
210.1732, 205.4664

17.3693, 20.6714,
17.7312

230.4064,
255.5272, 251.5368

10.5950, 12.8840,
10.5898

277.6719,
306.9772, 304.0253

5.8605, 7.3487,
5.6810

330.9961,

2.8003, 3.6811,

364.9076, 363.3506

2.5865

390.7442,
429.7029, 429.9310

■ 1.0491, 1.4968,
0.8855

■ 0.0000, 0.2865,
0.0000

■ 72.1700, 82.0298,
76.9953

■ 72.1700, 82.0298,
76.9953

■ 62.9244, 77.5986,
61.5315

■ 82.8263, 87.1406,
94.8943

■ 55.0240, 73.8084,
48.3925

■ 90.4517, 90.8035,
107.3672

■ 48.4080, 70.6327,
37.4677

■ 43.0087, 68.0392,
28.6352

■ 38.7519, 65.9924,
21.7615

■ 35.5553, 64.4533,
16.6974

■ 33.3256, 63.3774,
13.2727

■ 31.9535, 62.7126,
11.2846

■ 31.2868, 62.3879,
10.3931

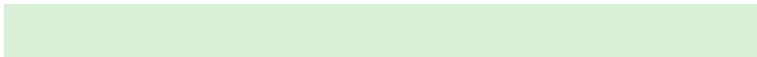
Harmonies

Analogous

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



75.1108, 82.0298, 71.0138



72.1700, 82.0298, 76.9953



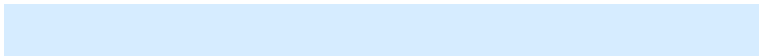
70.7906, 82.0298, 86.6563

Triad

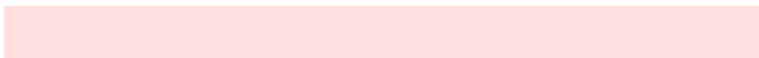
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.1700, 82.0298, 76.9953



77.0324, 82.0298, 112.2581



85.0565, 82.0298, 81.2883

Complementary

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



72.1700, 82.0298, 76.9953



75.8840, 73.7561, 92.6792

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.



85.6124, 82.0298, 92.0306



72.1700, 82.0298, 76.9953



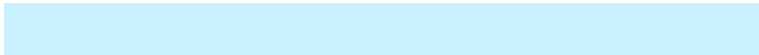
80.8944, 82.0298, 110.5213

Square

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



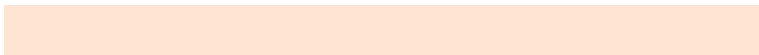
72.1700, 82.0298, 76.9953



73.5368, 82.0298, 107.4531



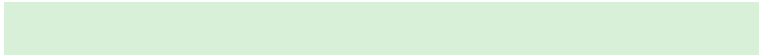
84.0661, 82.0298, 102.8867



82.5714, 82.0298, 73.3450

Rectangle

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



72.1700, 82.0298, 76.9953



70.9087, 82.0298, 94.1323



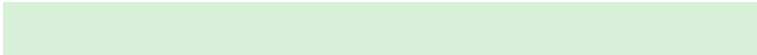
84.0661, 82.0298, 102.8867



85.4785, 82.0298, 84.6678

Sweetspot

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



72.1723, 82.0333, 76.9971



91.1965, 98.1530, 102.4180



79.1415, 85.1033, 77.2223



19.3048, 20.9057, 21.5603



0.0000, 0.0000, 0.0000



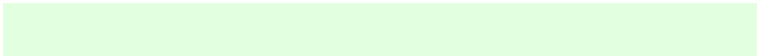
20.3446, 21.4041, 23.3091

Same Dimension

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



72.1723, 82.0333, 76.9971



80.5308, 93.0397, 84.5198



73.3192, 82.4579, 84.5826



15.6267, 17.6877, 16.7402



17.1532, 34.1644, 5.6903



1.4483, 2.8531, 0.4744

Inverse Universe

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



75.8840, 73.7561, 92.6792



85.5861, 81.7657, 105.8792



74.6647, 73.3074, 84.4926



16.3854, 15.9959, 19.9455



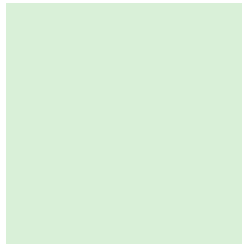
26.5044, 12.6689, 46.1763



2.2250, 1.0643, 3.8424

Previews

White Background



This preview shows how the XYZ color 72.1700, 82.0298, 76.9953 looks on a white background.

Color Contrast Check

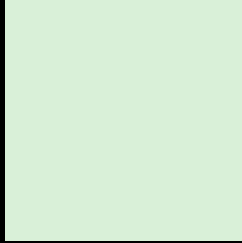
Large Text (above 18pt) WCAG AA × Fail

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 72.1700, 82.0298, 76.9953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

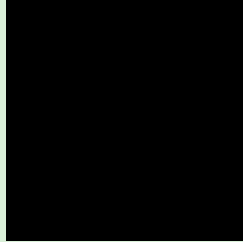
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

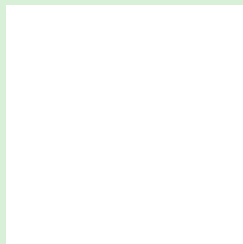
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.1700, 82.0298, 76.9953

Background



This preview shows how black text looks on a background with the XYZ color 72.1700, 82.0298, 76.9953.

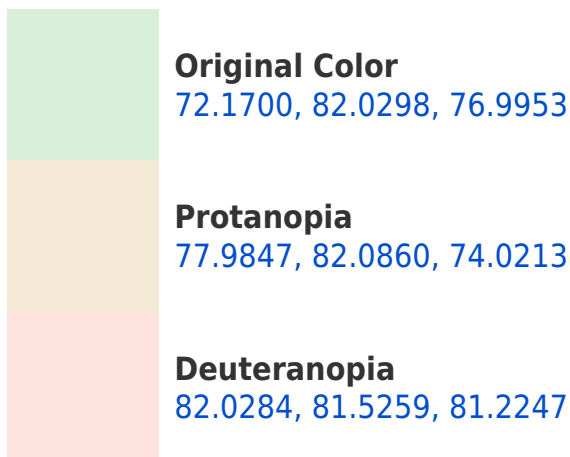


This preview shows how white text looks on a background with the XYZ color 72.1700, 82.0298,

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

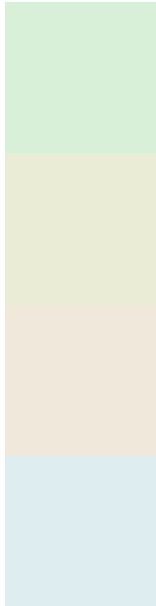




Tritanopia

77.8694, 82.1965, 104.6899

Trichromacy



Original Color

72.1700, 82.0298, 76.9953

Protanomaly

75.9374, 82.2874, 74.8315

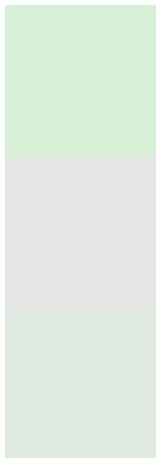
Deuteranomaly

78.0505, 81.5813, 79.3432

Tritanomaly

75.8312, 82.2318, 94.3137

Monochromacy



Original Color

72.1700, 82.0298, 76.9953

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

74.0648, 80.2894, 82.8279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.1700, 82.0298, 76.9953 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(217, 240, 216)` looks like.

```
.text, #text, p{  
    color:rgb(217, 240, 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(217, 240, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 240, 216) }
```

Border

The CSS property to change the border of an element to XYZ 72.1700, 82.0298, 76.9953 is called "border". The border property can be set on classes, ids or directly on the HTML element.

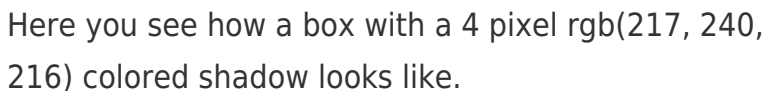
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(217, 240, 216) }
```


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

```
.border{ border-color:rgb(217, 240, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(217, 240, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 240, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 240, 216); box-shadow:4px 4px 4px 4px rgb(217, 240, 216) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1700, 82.0298, 76.9953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 240, 216) }
```

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

```
.background{ background-color: rgb(217,  
240, 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](#).

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