

Converting Colors

XYZ(72.1740, 82.9114, 77.1693)

Have a look what the booklet for
XYZ(72.1740, 82.9114, 77.1693)
contains.

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Color

**XYZ(72.1711, 82.9092,
77.1650)**

Conversions

Conversions Part 1

Format	Color
Hex	D7F2D8
RGB	215, 242, 216
RGB Percent	84%, 95%, 85%
CMY	0.1569, 0.0510, 0.1529
CMYK	0.11, 0.00, 0.11, 0.05
HSL	122°, 51%, 90%
HSV	122°, 11%, 95%
XYZ	72.1711, 82.9092, 77.1650
YIQ	230.9630, -7.7460, -13.8100

Conversions

Conversions Part 2

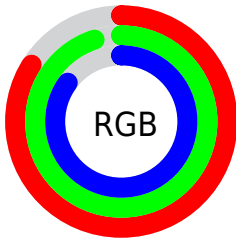
Format	Color
R _Y B	215, 241, 242
Decimal	14152408
CIE Lab	92.97, -13.56, 9.57
CIE LCh	93, 16.603, 144.784
Yxy	82.9092, 0.3108, 0.3570
Android (android.graphics.Color)	4292342488 (0xFFD7F2D8)
YUV	230.9630, -7.3768, -13.9996
Hunter-Lab	91.0545, -17.8637, 13.4923

Details

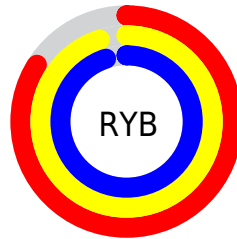
The XYZ color **72.1711, 82.9092, 77.1650** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.7985, 73.8309, 93.4260**, and the grayscale version is **75.9873, 79.9446, 87.0596**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.4891, 45.1646, 40.4073** is the 20% darker color. If you saturate the color by 10%, you get **62.7815, 78.3948, 62.0984**, and if you desaturate by 10%, it is **83.0438, 88.1435, 94.5349**.

Distribution



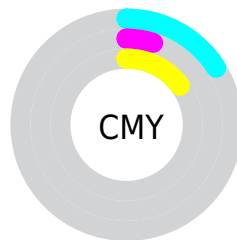
- Red (84%)
- Green (95%)
- Blue (85%)



- Red (84%)
- Yellow (95%)
- Blue (95%)



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



- Cyan (16%)
- Magenta (5%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1711, 82.9092, 77.1650 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 72.1711, 82.9092, 77.1650 by changing the saturation by 10% instead.

72.1711, 82.9092,
77.1650

72.1711, 82.9092,
77.1650

457.2853,
504.6839, 504.7790

53.5844, 62.1152,
56.8759

121.3092,
137.4483, 131.1475

38.4989, 45.1258,
40.4969

152.5914,
171.9622, 165.6780

26.5491, 31.5565,
27.6095

188.8361,
211.8182, 205.7928

17.3697, 21.0230,
17.7950

230.4088,
257.4008, 251.9103

10.5953, 13.1408,
10.6350

277.6746,
309.0942, 304.4492

5.8607, 7.5256,
5.7109

330.9991,

2.8004, 3.7929,

367.2829, 363.8279

2.6042

390.7475,
432.3514, 430.4650

■ 1.0491, 1.5584,
0.8946

■ 0.0000, 0.3293,
0.0000

■ 72.1711, 82.9092,
77.1650

■ 72.1711, 82.9092,
77.1650

■ 62.7815, 78.3948,
62.0984

■ 83.0438, 88.1435,
94.5349

■ 54.8043, 74.5589,
49.2332

■ 91.0438, 91.9875,
107.5646

■ 48.1731, 71.3718,
38.4681

■ 42.8138, 68.7977,
29.6916

■ 38.6450, 66.7972,
22.7820

■ 35.5757, 65.3264,
17.6043

■ 33.5021, 64.3349,
14.0052

■ 32.3004, 63.7629,
11.8048

■ 31.8029, 63.5272,
10.8433

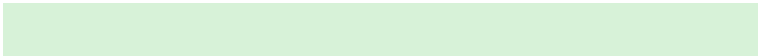
Harmonies

Analogous

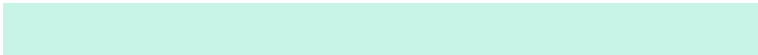
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.3515, 82.9092, 70.2433



72.1711, 82.9092, 77.1650



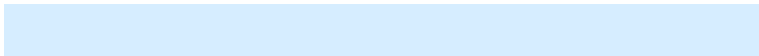
70.7706, 82.9092, 88.1158

Triad

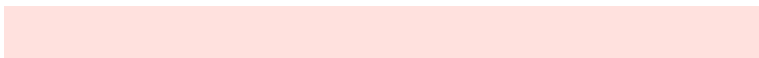
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.1711, 82.9092, 77.1650



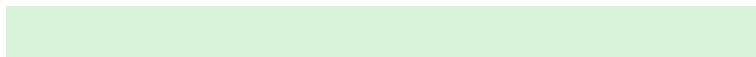
78.0455, 82.9092, 116.2651



86.6353, 82.9092, 80.6090

Complementary

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



72.1711, 82.9092, 77.1650



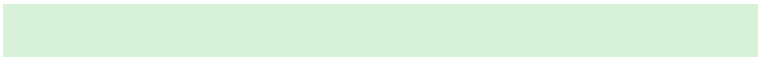
76.7985, 73.8309, 93.4260

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.



87.4206, 82.9092, 92.4672



72.1711, 82.9092, 77.1650



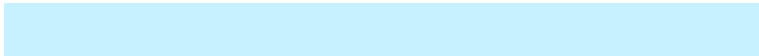
82.3578, 82.9092, 113.7910

Square

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



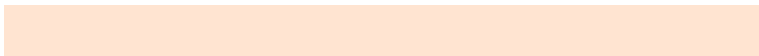
72.1711, 82.9092, 77.1650



74.0816, 82.9092, 111.2711



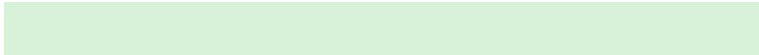
85.8286, 82.9092, 104.7895



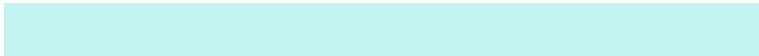
83.7203, 82.9092, 72.1000

Rectangle

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



72.1711, 82.9092, 77.1650



70.9962, 82.9092, 96.5195



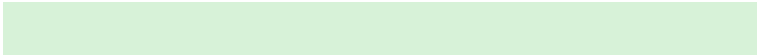
85.8286, 82.9092, 104.7895



87.1615, 82.9092, 84.3040

Sweetspot

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



72.1734, 82.9127, 77.1668



91.1278, 98.1124, 102.6437



80.3313, 87.1332, 76.8753



19.2864, 20.8948, 21.6209



0.0000, 0.0000, 0.0000



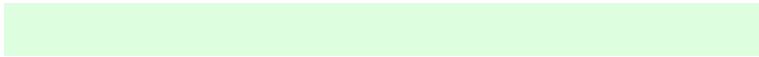
20.3446, 21.4041, 23.3091

Same Dimension

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



72.1734, 82.9127, 77.1668



79.1681, 92.3579, 83.5216



73.9777, 83.6345, 86.6685



15.5896, 17.6659, 16.8619



17.0948, 34.1299, 5.8821



1.4304, 2.8426, 0.5330

Inverse Universe

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



76.7985, 73.8309, 93.4260



85.1743, 80.5640, 104.6356



74.8691, 73.0592, 83.2661



16.4275, 16.0207, 19.8073



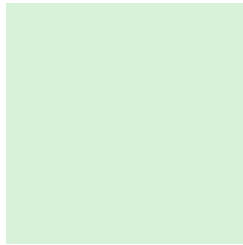
27.5871, 13.3073, 42.6037



2.3028, 1.1102, 3.5856

Previews

White Background



This preview shows how the XYZ color 72.1711, 82.9092, 77.1650 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 72.1711, 82.9092, 77.1650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

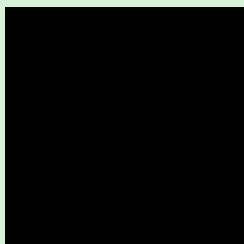
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

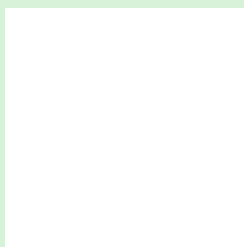
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.1711, 82.9092, 77.1650

Background



This preview shows how black text looks on a background with the XYZ color 72.1711, 82.9092, 77.1650.



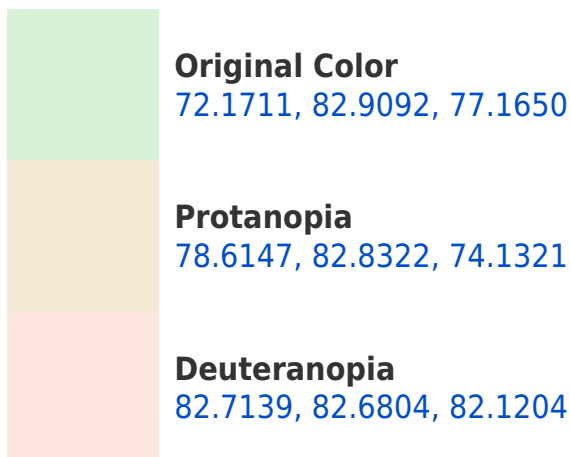
This preview shows how white text looks on a background with the XYZ color 72.1711, 82.9092,

77.1650.

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

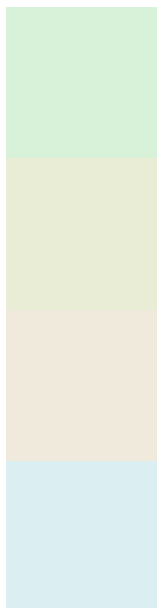




Tritanopia

77.8642, 82.5831, 106.4440

Trichromacy



Original Color

72.1711, 82.9092, 77.1650

Protanomaly

75.8987, 82.6961, 74.9124

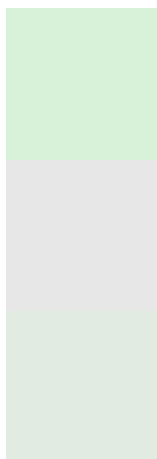
Deuteranomaly

78.4091, 82.5914, 80.2157

Tritanomaly

75.6651, 82.5600, 95.1668

Monochromacy



Original Color

72.1711, 82.9092, 77.1650

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

74.4871, 80.9152, 83.6438

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.1711, 82.9092, 77.1650 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(215, 242, 216) looks like.

```
.text, #text, p{  
    color:rgb(215, 242, 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(215, 242, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 242, 216) }
```

Border

The CSS property to change the border of an element to XYZ 72.1711, 82.9092, 77.1650 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(215, 242, 216) }
```


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

```
.border{ border-color:rgb(215, 242, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 242, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 242, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 242, 216);  
box-shadow:4px 4px 4px 4px rgb(215, 242,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1711, 82.9092, 77.1650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 242, 216) }
```

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

```
.background{ background-color: rgb(215,  
242, 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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