

Converting Colors

XYZ(73.1925, 88.0920, 82.3627)

Have a look what the booklet for
XYZ(73.1925, 88.0920, 82.3627)
contains.

XYZ(72.8971, 87.7321, 82.1991)	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(72.8971, 87.7321,
82.1991)**

Conversions

Conversions Part 1

Format	Color
Hex	CCFCDE
RGB	204, 252, 222
RGB Percent	80%, 99%, 87%
CMY	0.2000, 0.0117, 0.1294
CMYK	0.19, 0.00, 0.12, 0.01
HSL	142°, 89%, 89%
HSV	142°, 19%, 99%
XYZ	72.8971, 87.7321, 82.1991
YIQ	234.2280, -18.9780, -19.5060

Conversions

Conversions Part 2

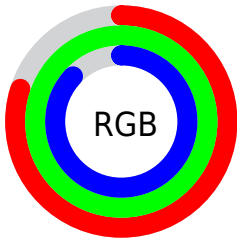
Format	Color
RYB	204, 239, 252
Decimal	13434078
CIELab	95.05, -20.98, 9.35
CIElCh	95, 22.967, 155.970
Yxy	87.7321, 0.3002, 0.3613
Android (android.graphics.Color)	4291624158 (0xFFCCFCDE)
YUV	234.2280, -6.0284, -26.5100
Hunter-Lab	93.6654, -24.9931, 13.5339

Details

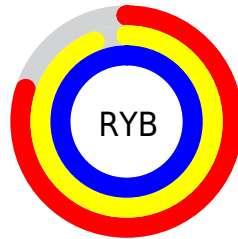
The XYZ color **72.8971, 87.7321, 82.1991** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.5922, 69.8239, 87.2865**, and the grayscale version is **78.4360, 82.5207, 89.8651**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.8846, 48.2098, 43.8152** is the 20% darker color. If you saturate the color by 10%, you get **64.5277, 83.6526, 71.2980**, and if you desaturate by 10%, it is **82.5862, 92.4740, 94.1952**.

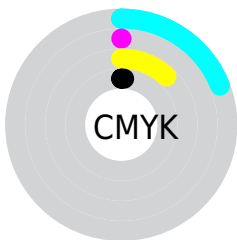
Distribution



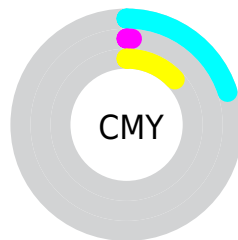
- Red (80%)
- Green (99%)
- Blue (87%)



- Red (80%)
- Yellow (94%)
- Blue (99%)



- Cyan (19%)
- Magenta (0%)
- Yellow (12%)
- Black (1%)





- Cyan (20%)
- Magenta (1%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.8971, 87.7321, 82.1991 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 72.8971, 87.7321, 82.1991 by changing the saturation by 10% instead.

 72.8971, 87.7321,
82.1991

 72.8971, 87.7321,
82.1991


459.7674,
520.6255, 522.2143

 54.1799, 66.1012,
60.9929


122.3350,
144.1841, 138.2924

 38.9768, 48.3546,
43.7889


153.7865,
179.7741, 174.0165

 26.9223, 34.1078,
30.1686

190.2134,
220.7858, 215.4170

 17.6512, 22.9764,
19.7135

231.9811,
267.6038, 262.9125

 10.7980, 14.5761,
12.0049

279.4551,
320.6123, 316.9214

 5.9975, 8.5224,
6.6245

333.0005,

 2.8842, 4.4310,

380.1959, 377.8623

3.1535

392.9828,
446.7388, 446.1538

■ 1.0928, 1.9175,
1.1735

■ 0.0191, 0.5588,
0.0000

■ 72.8971, 87.7321,
82.1991

■ 72.8971, 87.7321,
82.1991

■ 64.5277, 83.6526,
71.2980

■ 82.5862, 92.4740,
94.1952

■ 57.4117, 80.1946,
61.4553

■ 93.6428, 97.8951,
107.3101

■ 51.4877, 77.3297,
52.6406

■ 94.1021, 98.1041,
108.5840

■ 46.6863, 75.0226,
44.8200

■ 42.9305, 73.2344,
37.9577

■ 40.1329, 71.9208,
32.0153

■ 38.1905, 71.0295,
26.9520

■ 36.9531, 70.4840,
22.7219

■ 36.8547, 70.4412,
22.3605

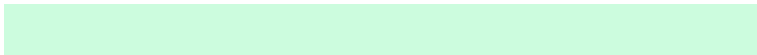
Harmonies

Analogous

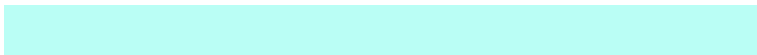
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.5333, 87.7321, 70.3169



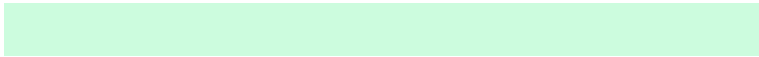
72.8971, 87.7321, 82.1991



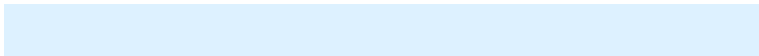
72.0091, 87.7321, 99.1454

Triad

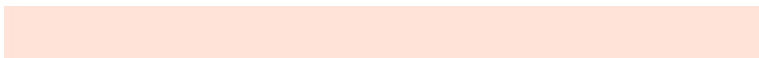
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.8971, 87.7321, 82.1991



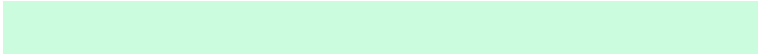
84.6413, 87.7321, 133.9571



93.4836, 87.7321, 76.7231

Complementary

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



72.8971, 87.7321, 82.1991



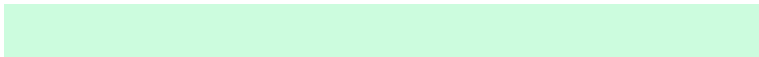
76.5922, 69.8239, 87.2865

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.



95.9038, 87.7321, 91.9945



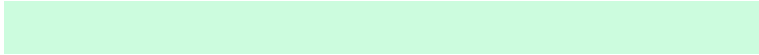
72.8971, 87.7321, 82.1991



90.6376, 87.7321, 126.1360

Square

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



72.8971, 87.7321, 82.1991



78.5936, 87.7321, 130.4883



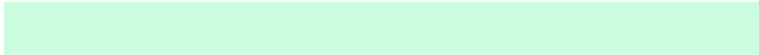
94.8373, 87.7321, 110.2193



88.3709, 87.7321, 67.4422

Rectangle

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



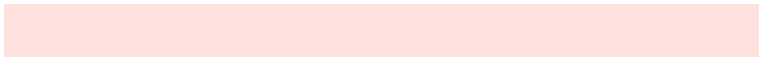
72.8971, 87.7321, 82.1991



73.0542, 87.7321, 111.3834



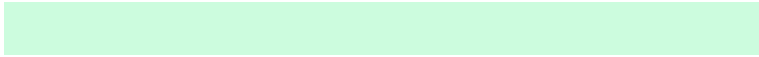
94.8373, 87.7321, 110.2193



94.6503, 87.7321, 81.2488

Sweetspot

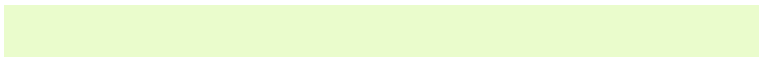
The Sweet Spot groups the original color and five complimentary colors.



72.8995, 87.7358, 82.2010



88.1417, 96.6121, 100.7389



79.7759, 91.5447, 70.5933



18.7117, 20.6034, 21.3775



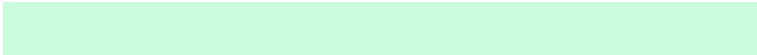
0.0000, 0.0000, 0.0000



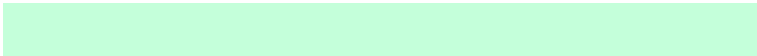
20.3446, 21.4041, 23.3091

Same Dimension

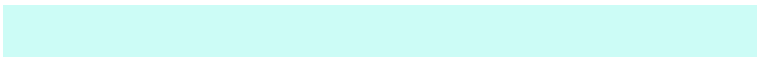
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.8995, 87.7358, 82.2010



71.3158, 88.3826, 79.8654



76.2884, 89.0913, 100.0466



17.2866, 19.4169, 19.7096



19.2627, 36.7181, 11.9925



1.8336, 3.4205, 1.3715

Inverse Universe

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



76.5922, 69.8239, 87.2865



75.7681, 66.7816, 85.9934



73.4232, 68.5564, 70.5989



17.7009, 17.4077, 20.2807



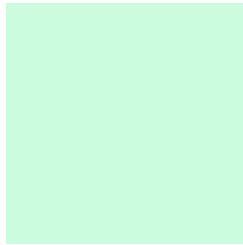
24.1785, 12.0871, 18.1804



2.2907, 1.1400, 1.9544

Previews

White Background



This preview shows how the XYZ color 72.8971, 87.7321, 82.1991 looks on a white background.

Color Contrast Check

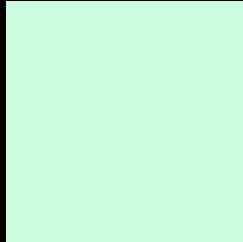
Large Text (above 18pt) WCAG AA × Fail

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 72.8971, 87.7321, 82.1991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

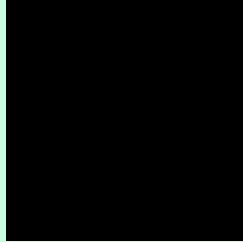
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

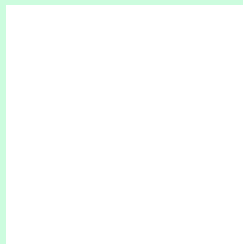
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.8971, 87.7321, 82.1991

Background



This preview shows how black text looks on a background with the XYZ color 72.8971, 87.7321, 82.1991.



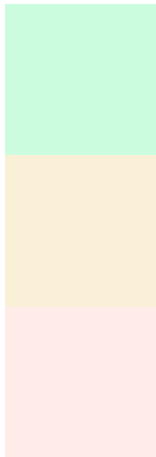
This preview shows how white text looks on a background with the XYZ color 72.8971, 87.7321,

82.1991.

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

72.8971, 87.7321, 82.1991

Protanopia

82.5566, 86.9633, 76.7244

Deuteranopia

85.9434, 87.1341, 89.3797



Tritanopia

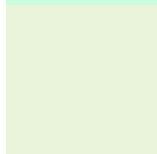
80.8411, 87.1685, 107.1722

Trichromacy



Original Color

72.8971, 87.7321, 82.1991



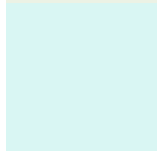
Protanomaly

78.6098, 87.0870, 78.9959



Deuteranomaly

80.4871, 86.9943, 86.6782



Tritanomaly

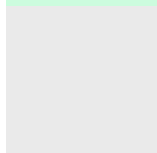
77.7487, 87.1343, 97.5148

Monochromacy



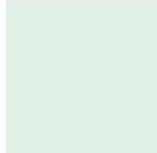
Original Color

72.8971, 87.7321, 82.1991



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

76.1696, 84.3117, 87.1221

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.8971, 87.7321, 82.1991 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(204, 252, 222)` looks like.

```
.text, #text, p{  
    color:rgb(204, 252, 222)  
}
```

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(204, 252, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 252, 222) }
```

Border

The CSS property to change the border of an element to XYZ 72.8971, 87.7321, 82.1991 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(204, 252, 222) }
```


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

```
.border{ border-color:rgb(204, 252, 222) }
```

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

Here you see how a box with a 4 pixel rgb(204, 252, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 252, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 252, 222);  
box-shadow:4px 4px 4px 4px rgb(204, 252,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 72.8971, 87.7321, 82.1991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 252, 222) }
```

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

```
.background{ background-color: rgb(204,  
252, 222) }
```

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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