

Converting Colors

XYZ(72.0230, 87.1843, 97.2480)

Have a look what the booklet for
XYZ(72.0230, 87.1843, 97.2480)
contains.

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Color

**XYZ(72.1386, 87.4802,
97.0877)**

Conversions

Conversions Part 1

Format	Color
Hex	BDFDF2
RGB	189, 253, 242
RGB Percent	74%, 99%, 95%
CMY	0.2588, 0.0078, 0.0510
CMYK	0.25, 0.00, 0.04, 0.01
HSL	170°, 94%, 87%
HSV	170°, 25%, 99%
XYZ	72.1386, 87.4802, 97.0877
YIQ	232.6100, -34.6130, -16.9890

Conversions

Conversions Part 2

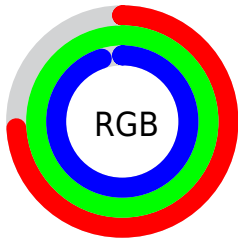
Format	Color
RYB	189, 224, 253
Decimal	12451314
CIELab	94.94, -22.11, -1.22
CIELCh	95, 22.145, 183.162
Yxy	87.4802, 0.2810, 0.3408
Android (android.graphics.Color)	4290641394 (0xFFBDFDF2)
YUV	232.6100, 4.6293, -38.2460
Hunter-Lab	93.5309, -26.0053, 3.9269

Details

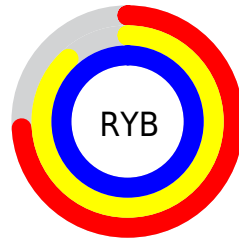
The XYZ color **72.1386, 87.4802, 97.0877** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.1340, 61.4504, 62.8646**, and the grayscale version is **77.1460, 81.1636, 88.3871**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **38.4344, 48.0934, 53.7116** is the 20% darker color. If you saturate the color by 10%, you get **65.7569, 84.2672, 93.4208**, and if you desaturate by 10%, it is **79.6356, 91.2709, 100.8917**.

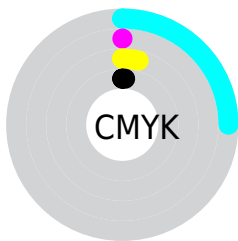
Distribution



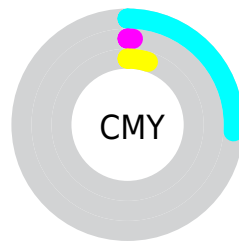
- Red (74%)
- Green (99%)
- Blue (95%)



- Red (74%)
- Yellow (88%)
- Blue (99%)



- Cyan (25%)
- Magenta (0%)
- Yellow (4%)
- Black (1%)





- Cyan (26%)
- Magenta (1%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.1386, 87.4802, 97.0877 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 72.1386, 87.4802, 97.0877 by changing the saturation by 10% instead.

 72.1386, 87.4802,
97.0877

 72.1386, 87.4802,
97.0877


457.1740,
519.7995, 571.9813

 53.5578, 65.8927,
73.2673


 121.2633,
143.8333, 159.1660

 38.4775, 48.1853,
53.7014


152.5379,
179.3676, 198.2610

 26.5324, 33.9736,
37.9715


188.7744,
220.3196, 243.2847

 17.3571, 22.8733,
25.6589

230.3383,
267.0738, 294.6555

 10.5863, 14.5000,
16.3451

277.5948,
320.0145, 352.7920

 5.8546, 8.4692,
9.6117

330.9094,

 2.7967, 4.3966,

379.5261, 418.1128

5.0401

390.6473,
445.9929, 491.0364

■ 1.0472, 1.8978,
2.2116

■ 0.0000, 0.5471,
0.6811

■ 72.1386, 87.4802,
97.0877

■ 72.1386, 87.4802,
97.0877

■ 65.7569, 84.2672,
93.4208

■ 79.6356, 91.2709,
100.8917


■ 60.4260, 81.5918,
89.8817


■ 88.2932, 95.6559,
104.8298


■ 56.0862, 79.4256,
86.4690


■ 94.4168, 98.7337,
108.6889

■ 52.6691, 77.7333,
83.1790

 50.0969, 76.4748,
80.0073

 48.2793, 75.6036,
76.9493

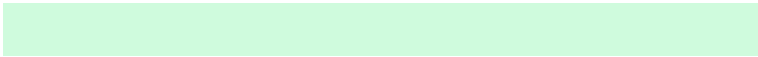
 47.1046, 75.0621,
73.9990

 46.6986, 74.8824,
72.6450

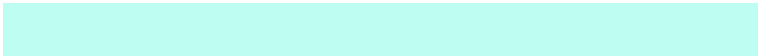
Harmonies

Analogous

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



73.2602, 87.4802, 81.0826



72.1386, 87.4802, 97.0877



73.8474, 87.4802, 114.5177

Triad

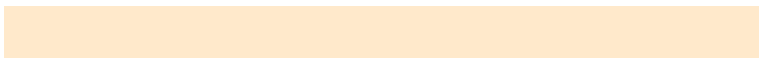
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.1386, 87.4802, 97.0877



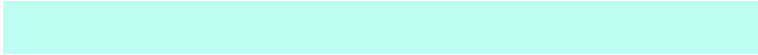
89.6275, 87.4802, 125.7158



88.4721, 87.4802, 68.6765

Complementary

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



72.1386, 87.4802, 97.0877



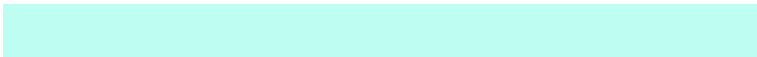
69.1340, 61.4504, 62.8646

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.



93.1970, 87.4802, 78.2765



72.1386, 87.4802, 97.0877



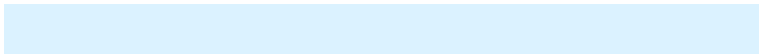
93.8862, 87.4802, 110.9808

Square

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



72.1386, 87.4802, 97.0877



83.7862, 87.4802, 132.2485



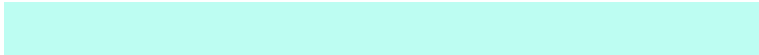
95.2226, 87.4802, 93.4377



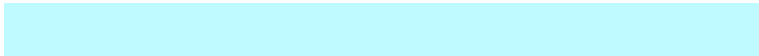
82.5117, 87.4802, 65.8904

Rectangle

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



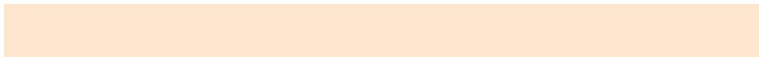
72.1386, 87.4802, 97.0877



76.4122, 87.4802, 124.2571



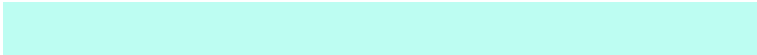
95.2226, 87.4802, 93.4377



90.2670, 87.4802, 71.1516

Sweetspot

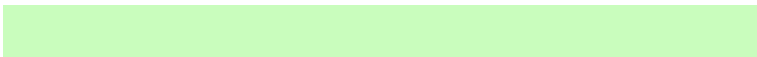
The Sweet Spot groups the original color and five complimentary colors.



72.1411, 87.4838, 97.0897



87.3794, 96.1103, 105.6204



68.3291, 86.3089, 61.2037



18.4129, 20.4247, 22.4773



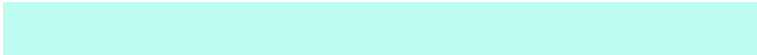
0.0000, 0.0000, 0.0000



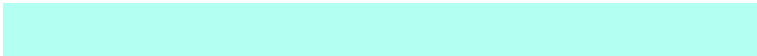
20.3446, 21.4041, 23.3091

Same Dimension

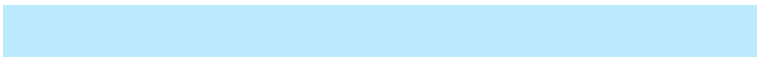
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.1411, 87.4838, 97.0897



70.2393, 87.4459, 97.0618



67.7821, 76.0407, 104.0375



18.4129, 20.4247, 22.4773



24.8889, 39.8522, 38.8958



2.4571, 3.8938, 3.9650

Inverse Universe

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



69.1340, 61.4504, 62.8646



66.7359, 57.0905, 57.1693



72.5622, 70.2914, 57.8889



18.1368, 18.0380, 19.3375



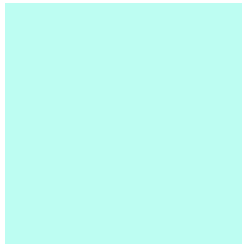
21.8216, 11.2179, 2.4451



2.1583, 1.1057, 0.4151

Previews

White Background



This preview shows how the XYZ color 72.1386, 87.4802, 97.0877 looks on a white background.

Color Contrast Check

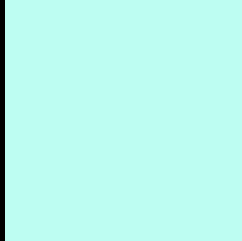
Large Text (above 18pt) WCAG AA × Fail

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 72.1386, 87.4802, 97.0877 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

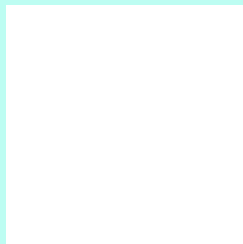
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.1386, 87.4802, 97.0877

Background



This preview shows how black text looks on a background with the XYZ color 72.1386, 87.4802, 97.0877.

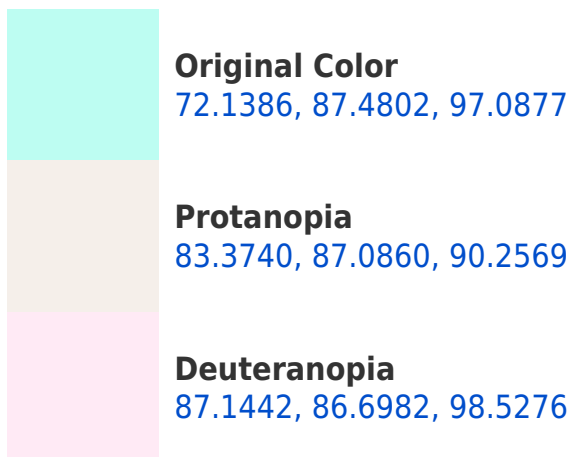


This preview shows how white text looks on a background with the XYZ color 72.1386, 87.4802,

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

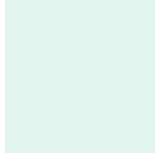
79.3141, 86.8268, 107.1867

Trichromacy



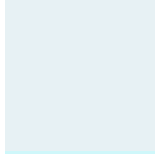
Original Color

72.1386, 87.4802, 97.0877



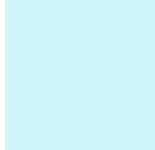
Protanomaly

78.6881, 86.8233, 92.7320



Deuteranomaly

80.7394, 86.4312, 98.0154



Tritanomaly

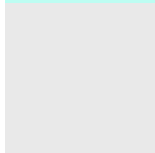
76.2482, 86.6891, 103.1564

Monochromacy



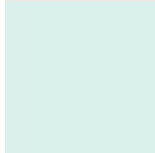
Original Color

72.1386, 87.4802, 97.0877



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

74.9157, 83.1280, 91.4537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.1386, 87.4802, 97.0877 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(189, 253, 242)` looks like.

```
.text, #text, p{  
    color:rgb(189, 253, 242)  
}
```

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(189, 253, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 253, 242) }
```

Border

The CSS property to change the border of an element to XYZ 72.1386, 87.4802, 97.0877 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(189, 253, 242) }
```


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

```
.border{ border-color:rgb(189, 253, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 253, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 253, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 253, 242);  
box-shadow:4px 4px 4px 4px rgb(189, 253,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1386, 87.4802, 97.0877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 253, 242) }
```

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

```
.background{ background-color: rgb(189,  
253, 242) }
```

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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