

Converting Colors

XYZ(71.9468, 87.5345, 90.2842)

Have a look what the booklet for
XYZ(71.9468, 87.5345, 90.2842)
contains.

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Color

**XYZ(71.8256, 87.4712,
90.1888)**

Conversions

Conversions Part 1

Format	Color
Hex	C1FDE9
RGB	193, 253, 233
RGB Percent	76%, 99%, 91%
CMY	0.2431, 0.0078, 0.0863
CMYK	0.24, 0.00, 0.08, 0.01
HSL	160°, 94%, 87%
HSV	160°, 24%, 99%
XYZ	71.8256, 87.4712, 90.1888
YIQ	232.7800, -29.3400, -18.9400

Conversions

Conversions Part 2

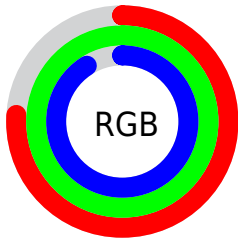
Format	Color
R_{YB}	193, 229, 253
Decimal	12713449
CIE _{Lab}	94.94, -22.76, 3.44
CIE _{LCh}	95, 23.014, 171.394
Y _{xy}	87.4712, 0.2879, 0.3506
Android (android.graphics.Color)	4290903529 (0xFFC1FDE9)
YUV	232.7800, 0.1085, -34.8871
Hunter-Lab	93.5260, -26.5871, 8.2938

Details

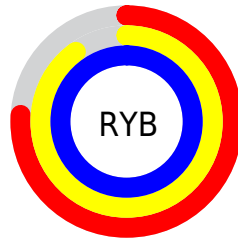
The XYZ color **71.8256, 87.4712, 90.1888** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.5913, 63.8290, 71.5015**, and the grayscale version is **77.3037, 81.3295, 88.5678**.

A 20% lighter version of the original color is **93.2343, 99.0640, 108.8150**, and **38.1570, 48.0575, 48.8599** is the 20% darker color. If you saturate the color by 10%, you get **64.7436, 83.9585, 83.7184**, and if you desaturate by 10%, it is **80.0735, 91.5829, 97.0182**.

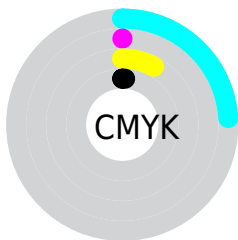
Distribution



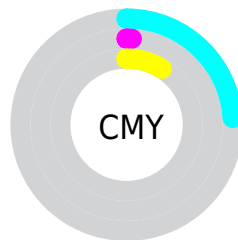
- Red (76%)
- Green (99%)
- Blue (91%)



- Red (76%)
- Yellow (90%)
- Blue (99%)



- Cyan (24%)
- Magenta (0%)
- Yellow (8%)
- Black (1%)





- Cyan (24%)
- Magenta (1%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.8256, 87.4712, 90.1888 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 71.8256, 87.4712, 90.1888 by changing the saturation by 10% instead.


 71.8256, 87.4712,
90.1888

 71.8256, 87.4712,
90.1888


456.1014,
519.7700, 549.2308

 53.3012, 65.8852,
67.5626


 120.8207,
143.8207, 149.5384

 38.2717, 48.1792,
49.0775


152.0221,
179.3531, 187.0990

 26.3718, 33.9688,
34.3150


188.1798,
220.3030, 230.4748

 17.2361, 22.8697,
22.8563

229.6593,
267.0549, 280.0843

 10.4993, 14.4973,
14.2832

276.8258,
319.9931, 336.3461

 5.7961, 8.4673,
8.1769

330.0448,

 2.7609, 4.3954,

379.5021, 399.6788

4.1189

389.6815,
445.9663, 470.5008

■ 1.0286, 1.8971,
1.6908

■ 0.0000, 0.5466,
0.3544

■ 71.8256, 87.4712,
90.1888

■ 71.8256, 87.4712,
90.1888

■ 64.7436, 83.9585,
83.7184

■ 80.0735, 91.5829,
97.0182

■ 58.7631, 81.0048,
77.5942

■ 89.5327, 96.3100,
104.2071

■ 53.8246, 78.5819,
71.8111

■ 94.4169, 98.7337,
108.6890

■ 49.8601, 76.6546,
66.3616

■ 46.7927, 75.1835,
61.2375

■ 44.5337, 74.1230,
56.4303

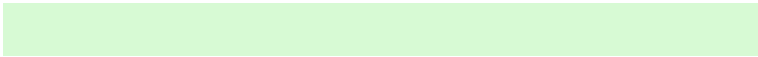
■ 42.9750, 73.4175,
51.9302

■ 42.2564, 73.1056,
49.2527

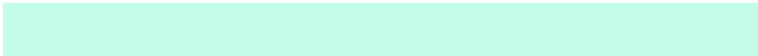
Harmonies

Analogous

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



74.1064, 87.4712, 75.3602



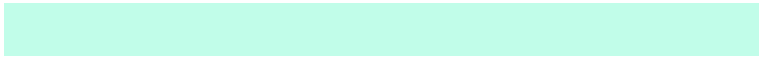
71.8256, 87.4712, 90.1888



72.4551, 87.4712, 108.3404

Triad

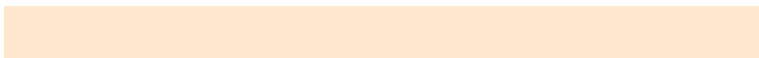
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.8256, 87.4712, 90.1888



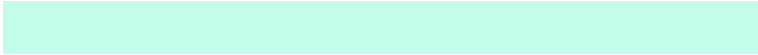
87.5949, 87.4712, 130.9715



90.8561, 87.4712, 70.8226

Complementary

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



71.8256, 87.4712, 90.1888



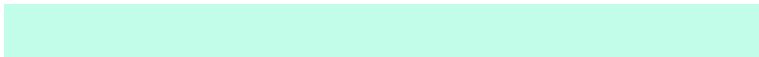
71.5913, 63.8290, 71.5015

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.



94.8241, 87.4712, 83.2430



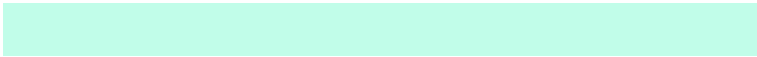
71.8256, 87.4712, 90.1888



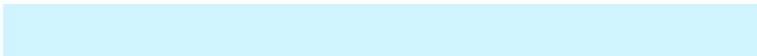
92.8767, 87.4712, 118.3433

Square

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



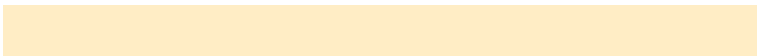
71.8256, 87.4712, 90.1888



81.3553, 87.4712, 133.4375



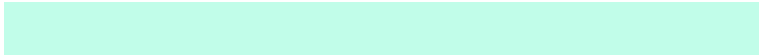
95.5815, 87.4712, 100.4790



84.9480, 87.4712, 65.1329

Rectangle

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



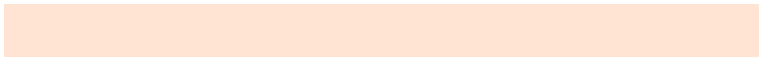
71.8256, 87.4712, 90.1888



74.4547, 87.4712, 119.8303



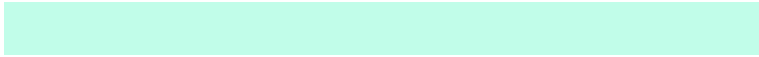
95.5815, 87.4712, 100.4790



92.4731, 87.4712, 74.2694

Sweetspot

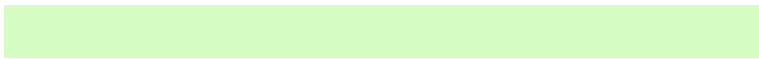
The Sweet Spot groups the original color and five complimentary colors.



71.8281, 87.4748, 90.1908



87.8417, 96.3930, 103.6388



72.4853, 88.4007, 63.6962



18.6750, 20.5687, 22.0877



0.0000, 0.0000, 0.0000



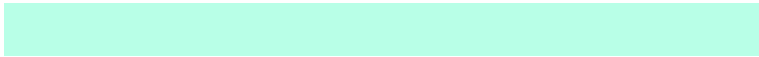
20.3446, 21.4041, 23.3091

Same Dimension

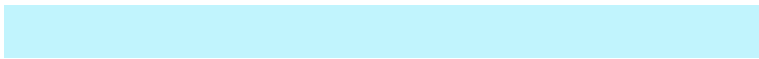
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.8281, 87.4748, 90.1908



69.8832, 87.4417, 88.9421



72.0755, 83.1341, 105.1804



18.2823, 20.3725, 21.7896



22.5483, 38.9159, 26.5705



2.2462, 3.8094, 2.8544

Inverse Universe

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



71.5913, 63.8290, 71.5015



69.6093, 59.8997, 67.1830



71.2570, 66.9764, 59.6256



18.2591, 18.0870, 19.9817



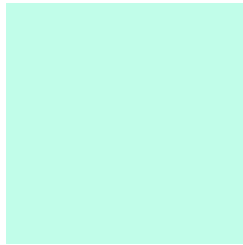
22.4673, 11.4762, 5.8453



2.2358, 1.1367, 0.8234

Previews

White Background



This preview shows how the XYZ color 71.8256, 87.4712, 90.1888 looks on a white background.

Color Contrast Check

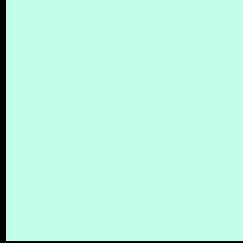
Large Text (above 18pt) WCAG AA × Fail

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 71.8256, 87.4712, 90.1888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

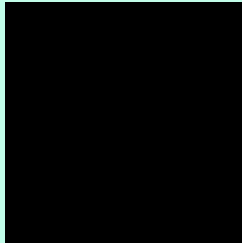
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

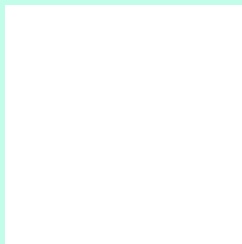
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.8256, 87.4712, 90.1888

Background



This preview shows how black text looks on a background with the XYZ color 71.8256, 87.4712, 90.1888.

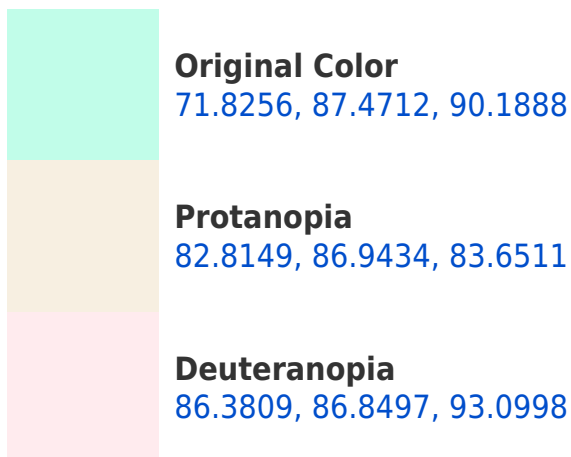


This preview shows how white text looks on a background with the XYZ color 71.8256, 87.4712,

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

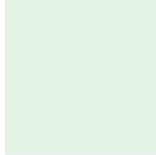
79.9159, 87.1370, 107.2148

Trichromacy



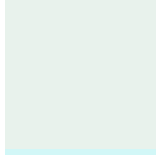
Original Color

71.8256, 87.4712, 90.1888



Protanomaly

78.0328, 86.6337, 86.0080



Deuteranomaly

80.1712, 86.7162, 91.8693



Tritanomaly

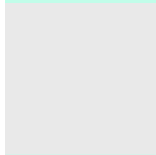
76.6276, 86.9386, 100.7378

Monochromacy



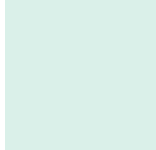
Original Color

71.8256, 87.4712, 90.1888



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

74.7815, 83.1088, 89.1910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.8256, 87.4712, 90.1888 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(193, 253, 233)` looks like.

```
.text, #text, p{  
    color:rgb(193, 253, 233)  
}
```

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(193, 253, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 253, 233) }
```

Border

The CSS property to change the border of an element to XYZ 71.8256, 87.4712, 90.1888 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(193, 253, 233) }
```


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

```
.border{ border-color:rgb(193, 253, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 253, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 253, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 253, 233); box-shadow:4px 4px 4px 4px rgb(193, 253, 233) }
```

Background

The CSS property to change the background color of an element to XYZ 71.8256, 87.4712, 90.1888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 253, 233) }
```

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

```
.background{ background-color: rgb(193,  
253, 233) }
```

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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