

Converting Colors

XYZ(72.2271, 88.7406, 84.9614)

Have a look what the booklet for
XYZ(72.2271, 88.7406, 84.9614)
contains.

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Color

**XYZ(72.2524, 88.7467,
85.2732)**

Conversions

Conversions Part 1

Format	Color
Hex	C4FFE2
RGB	196, 255, 226
RGB Percent	77%, 100%, 89%
CMY	0.2314, 0.0000, 0.1137
CMYK	0.23, 0.00, 0.11, 0.00
HSL	151°, 100%, 88%
HSV	151°, 23%, 100%
XYZ	72.2524, 88.7467, 85.2732
YIQ	234.0530, -25.8550, -21.5270

Conversions

Conversions Part 2

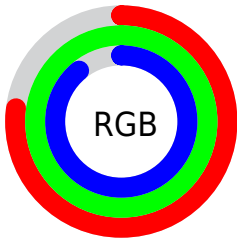
Format	Color
RYB	196, 235, 255
Decimal	12910562
CIELab	95.47, -24.17, 7.85
CIELCh	95, 25.410, 162.015
Yxy	88.7467, 0.2934, 0.3604
Android (android.graphics.Color)	4291100642 (0xFFC4FFE2)
YUV	234.0530, -3.9701, -33.3725
Hunter-Lab	94.2055, -27.9561, 12.2755

Details

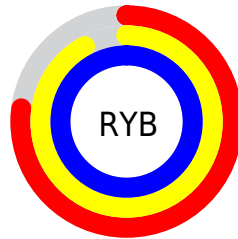
The XYZ color **72.2524, 88.7467, 85.2732** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.5710, 66.1771, 80.0774**, and the grayscale version is **78.2897, 82.3669, 89.6975**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **38.5293, 48.9912, 45.9536** is the 20% darker color. If you saturate the color by 10%, you get **64.5161, 84.9500, 76.2596**, and if you desaturate by 10%, it is **81.2433, 93.1757, 95.0047**.

Distribution



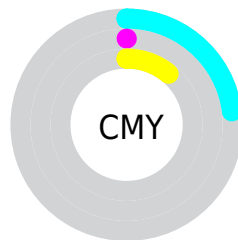
- Red (77%)
- Green (100%)
- Blue (89%)



- Red (77%)
- Yellow (92%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.2524, 88.7467, 85.2732 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 72.2524, 88.7467, 85.2732 by changing the saturation by 10% instead.

 72.2524, 88.7467,
85.2732

 72.2524, 88.7467,
85.2732


457.5636,
523.9454, 532.6998

 53.6511, 66.9416,
63.5157


121.4242,
145.5963, 142.6324

 38.5523, 49.0372,
45.8149


152.7253,
181.4096, 179.0711

 26.5908, 34.6490,
31.7521


188.9905,
222.6611, 221.2407

 17.4011, 23.3926,
20.9090

230.5850,
269.7352, 269.5596

 10.6180, 14.8837,
12.8669

277.8742,
323.0163, 324.4464

 5.8760, 8.7378,
7.2073

331.2235,

 2.8097, 4.5705,

382.8887, 386.3197

3.5117

390.9982,
449.7370, 455.5980

■ 1.0540, 1.9976,
1.3615

■ 0.0000, 0.6061,
0.1114

■ 72.2524, 88.7467,
85.2732

■ 72.2524, 88.7467,
85.2732

■ 64.5161, 84.9500,
76.2596

■ 81.2433, 93.1757,
95.0047

■ 57.9724, 81.7539,
67.9428

■ 91.5420, 98.2639,
105.4658

■ 52.5573, 79.1257,
60.3068

■ 95.0500, 100.0000,
108.9000

■ 48.1997, 77.0292,
53.3335

■ 44.8199, 75.4234,
47.0035

■ 42.3261, 74.2615,
41.2965

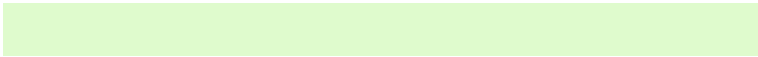
■ 40.6071, 73.4866,
36.1904

■ 39.7668, 73.1227,
33.0195

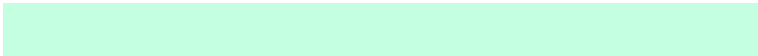
Harmonies

Analogous

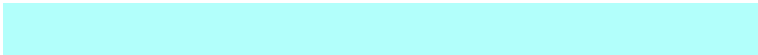
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.7074, 88.7467, 70.8612



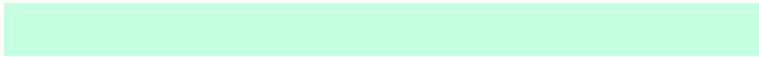
72.2524, 88.7467, 85.2732



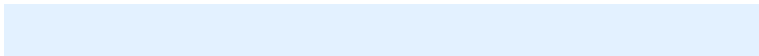
71.9276, 88.7467, 104.8299

Triad

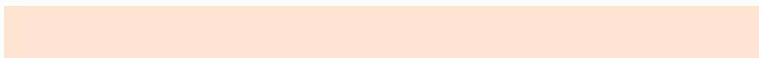
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.2524, 88.7467, 85.2732



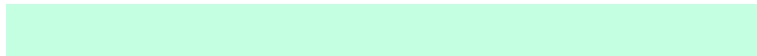
87.1676, 88.7467, 139.1716



94.6892, 88.7467, 73.1810

Complementary

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



72.2524, 88.7467, 85.2732



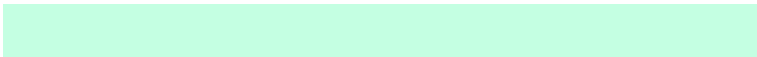
74.5710, 66.1771, 80.0774

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.



98.1286, 88.7467, 88.8694



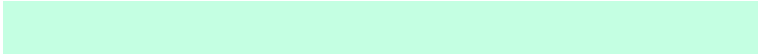
72.2524, 88.7467, 85.2732



93.6288, 88.7467, 127.9927

Square

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



72.2524, 88.7467, 85.2732



80.2863, 88.7467, 137.8584



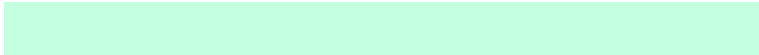
97.7302, 88.7467, 108.9530



88.5508, 88.7467, 64.5692

Rectangle

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



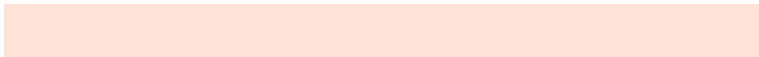
72.2524, 88.7467, 85.2732



73.5056, 88.7467, 118.4053



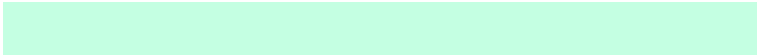
97.7302, 88.7467, 108.9530



96.2141, 88.7467, 77.7030

Sweetspot

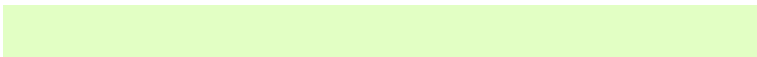
The Sweet Spot groups the original color and five complimentary colors.



72.2532, 88.7471, 85.2746



87.4045, 96.2181, 101.3364



76.9318, 91.5938, 65.8505



18.5737, 20.5282, 21.5542



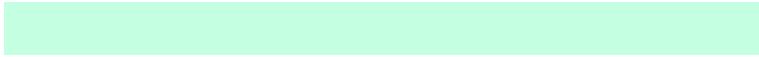
0.0000, 0.0000, 0.0000



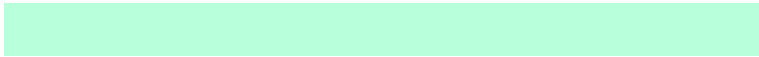
20.3446, 21.4041, 23.3091

Same Dimension

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



72.2532, 88.7471, 85.2746



68.3373, 86.8233, 80.8018



76.5755, 90.4760, 108.0354



18.1570, 20.3223, 21.1299



20.8547, 38.2385, 17.6517



2.0857, 3.7452, 2.0093

Inverse Universe

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



74.5710, 66.1771, 80.0774



71.0434, 60.4734, 74.7349



70.9445, 64.7264, 60.9801



18.3815, 18.1359, 20.6263



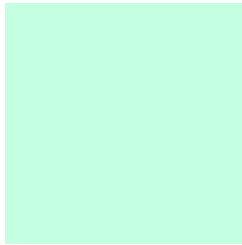
23.5692, 11.9170, 11.6480



2.3499, 1.1823, 1.4239

Previews

White Background



This preview shows how the XYZ color 72.2524, 88.7467, 85.2732 looks on a white background.

Color Contrast Check

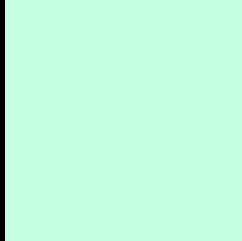
Large Text (above 18pt) WCAG AA × Fail

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 72.2524, 88.7467, 85.2732 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

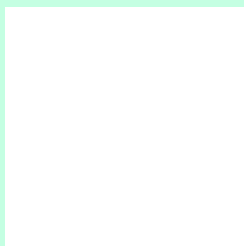
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.2524, 88.7467, 85.2732

Background



This preview shows how black text looks on a background with the XYZ color 72.2524, 88.7467, 85.2732.



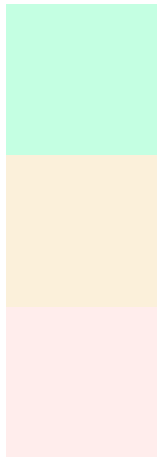
This preview shows how white text looks on a background with the XYZ color 72.2524, 88.7467,

85.2732.

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

72.2524, 88.7467, 85.2732

Protanopia

83.5986, 87.8914, 78.8883

Deuteranopia

86.6645, 87.8845, 91.7526



Tritanopia

81.4429, 88.3721, 107.3728

Trichromacy



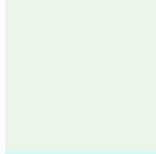
Original Color

72.2524, 88.7467, 85.2732



Protanomaly

78.6585, 87.5142, 81.1528



Deuteranomaly

80.8479, 88.0200, 89.0723



Tritanomaly

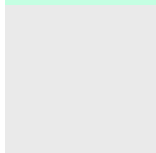
77.9364, 88.5792, 98.5778

Monochromacy



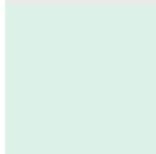
Original Color

72.2524, 88.7467, 85.2732



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.6911, 84.4894, 87.9200

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.2524, 88.7467, 85.2732 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(196, 255, 226)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 226)  
}
```

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(196, 255, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 226) }
```

Border

The CSS property to change the border of an element to XYZ 72.2524, 88.7467, 85.2732 is called "border". The border property can be set on classes, ids or directly on the HTML element.

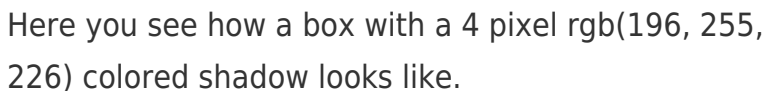
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 255, 226) }
```


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

```
.border{ border-color:rgb(196, 255, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 255, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 255, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 255, 226); box-shadow:4px 4px 4px 4px rgb(196, 255, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 72.2524, 88.7467, 85.2732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 226) }
```

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

```
.background{ background-color: rgb(196,  
255, 226) }
```

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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