

Converting Colors

XYZ(72.2311, 85.0810, 89.8009)

Have a look what the booklet for
XYZ(72.2311, 85.0810, 89.8009)
contains.

XYZ(72.0561, 84.8222, 89.6654)	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(72.0561, 84.8222,
89.6654)**

Conversions

Conversions Part 1

Format	Color
Hex	C9F7E9
RGB	201, 247, 233
RGB Percent	79%, 97%, 91%
CMY	0.2118, 0.0314, 0.0863
CMYK	0.19, 0.00, 0.06, 0.03
HSL	162°, 74%, 88%
HSV	162°, 19%, 97%
XYZ	72.0561, 84.8222, 89.6654
YIQ	231.6500, -22.9220, -14.1060

Conversions

Conversions Part 2

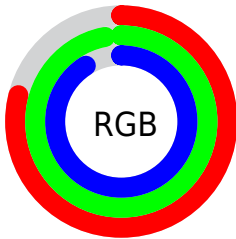
Format	Color
R _Y B	201, 228, 247
Decimal	13236201
CIE Lab	93.81, -17.39, 1.86
CIE LCh	94, 17.491, 173.904
Yxy	84.8222, 0.2923, 0.3440
Android (android.graphics.Color)	4291426281 (0xFFC9F7E9)
YUV	231.6500, 0.6655, -26.8801
Hunter-Lab	92.0990, -21.5189, 6.7459

Details

The XYZ color **72.0561, 84.8222, 89.6654** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.5131, 66.4559, 73.3516**, and the grayscale version is **76.4495, 80.4308, 87.5892**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.4207, 46.5469, 48.5544** is the 20% darker color. If you saturate the color by 10%, you get **64.8917, 81.2526, 83.8433**, and if you desaturate by 10%, it is **80.3388, 88.9676, 95.7823**.

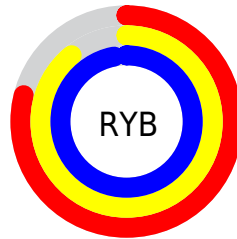
Distribution



Red (79%)

Green (97%)

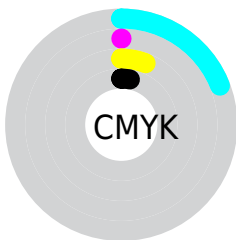
Blue (91%)



Red (79%)

Yellow (89%)

Blue (97%)

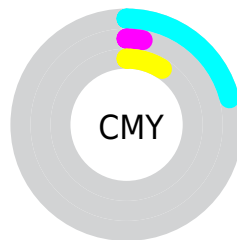


Cyan (19%)

Magenta (0%)

Yellow (6%)

Black (3%)



Cyan (21%)

Magenta (3%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.0561, 84.8222, 89.6654 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 72.0561, 84.8222, 89.6654 by changing the saturation by 10% instead.

72.0561, 84.8222,
89.6654

72.0561, 84.8222,
89.6654

456.8914,
511.0396, 547.4838

53.4901, 63.6945,
67.1310

121.1467,
140.1247, 148.8050

38.4232, 46.4033,
48.7288

152.4020,
175.0683, 186.2473

26.4900, 32.5642,
34.0403

188.6177,
215.3860, 229.4959

17.3252, 21.7928,
22.6470

230.1594,
261.4622, 278.9695

10.5634, 13.7047,
14.1302

277.3922,
313.6812, 335.0865

5.8392, 7.9156,
8.0715

330.6816,

2.7873, 4.0410,

372.4275, 398.2656

4.0523

390.3929,
438.0855, 468.9251

■ 1.0423, 1.6965,
1.6541

■ 0.0000, 0.4214,
0.3290

■ 72.0561, 84.8222,
89.6654

■ 72.0561, 84.8222,
89.6654

■ 64.8917, 81.2526,
83.8433

■ 80.3388, 88.9676,
95.7823

■ 58.7869, 78.2217,
78.3051

■ 89.7806, 93.7029,
102.1935

■ 53.6884, 75.7044,
73.0469

■ 92.5523, 95.0046,
108.0674

■ 49.5353, 73.6694,
68.0630

■ 46.2599, 72.0819,
63.3470

■ 43.7851, 70.9022,
58.8921

■ 42.0199, 70.0833,
54.6909

■ 40.8333, 69.5580,
50.7338

■ 40.6912, 69.4962,
50.2072

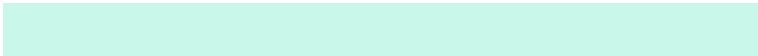
Harmonies

Analogous

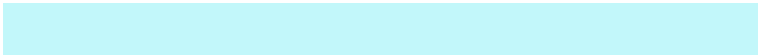
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.6123, 84.8222, 78.0824



72.0561, 84.8222, 89.6654



72.7226, 84.8222, 103.1226

Triad

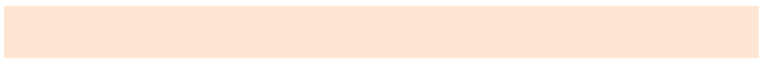
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.0561, 84.8222, 89.6654



84.2972, 84.8222, 117.7911



86.0021, 84.8222, 73.1788

Complementary

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



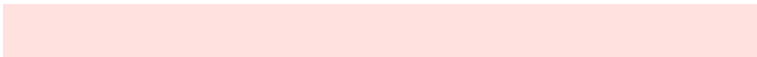
72.0561, 84.8222, 89.6654



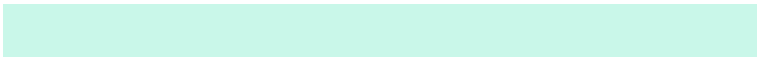
71.5131, 66.4559, 73.3516

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.



89.0714, 84.8222, 82.3679



72.0561, 84.8222, 89.6654



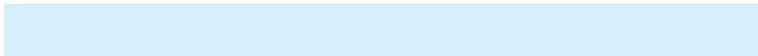
88.0610, 84.8222, 108.2731

Square

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



72.0561, 84.8222, 89.6654



79.6756, 84.8222, 120.2197



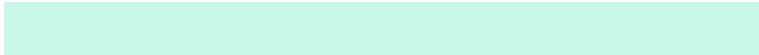
89.8390, 84.8222, 95.1018



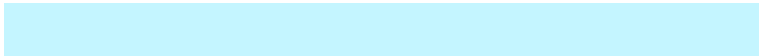
81.5738, 84.8222, 69.1706

Rectangle

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



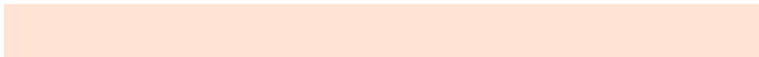
72.0561, 84.8222, 89.6654



74.3511, 84.8222, 111.2694



89.8390, 84.8222, 95.1018



87.2337, 84.8222, 75.7190

Sweetspot

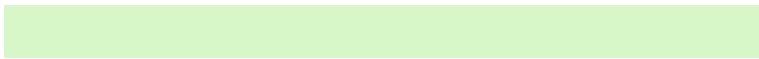
The Sweet Spot groups the original color and five complimentary colors.



72.0585, 84.8257, 89.6673



88.9025, 96.9165, 104.7456



71.9971, 85.2752, 67.9247



18.8915, 20.6753, 22.3246



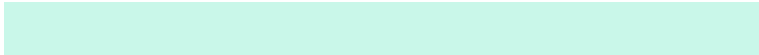
0.0000, 0.0000, 0.0000



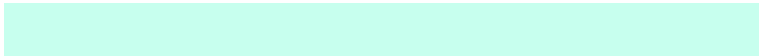
20.3446, 21.4041, 23.3091

Same Dimension

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



72.0585, 84.8257, 89.6673



74.7080, 89.8170, 94.2287



71.6183, 80.6157, 99.7855



16.7693, 18.6669, 20.0696



21.5854, 36.7790, 26.9002



1.9427, 3.2508, 2.6044

Inverse Universe

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



71.5131, 66.4559, 73.3516



74.0321, 67.0175, 73.9837



71.8100, 69.8073, 64.9489



16.7068, 16.5656, 18.2025



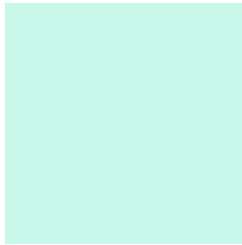
21.0163, 10.7500, 4.7943



1.8909, 0.9623, 0.6521

Previews

White Background



This preview shows how the XYZ color 72.0561, 84.8222, 89.6654 looks on a white background.

Color Contrast Check

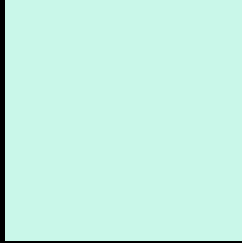
Large Text (above 18pt) WCAG AA × Fail

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 72.0561, 84.8222, 89.6654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

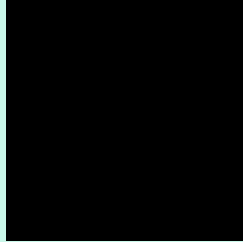
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

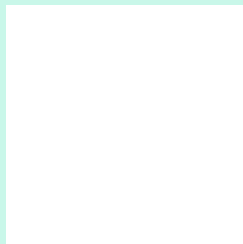
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.0561, 84.8222, 89.6654

Background



This preview shows how black text looks on a background with the XYZ color 72.0561, 84.8222, 89.6654.



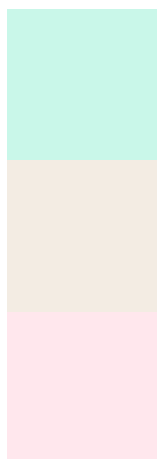
This preview shows how white text looks on a background with the XYZ color 72.0561, 84.8222,

89.6654.

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

72.0561, 84.8222, 89.6654

Protanopia

80.8227, 84.5916, 84.7411

Deuteranopia

85.1020, 84.5263, 91.9506



Tritanopia

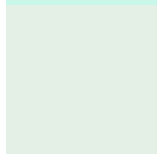
77.8242, 84.7295, 106.8604

Trichromacy



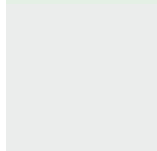
Original Color

72.0561, 84.8222, 89.6654



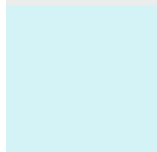
Protanomaly

77.2979, 84.4713, 86.3593



Deuteranomaly

79.6855, 84.2867, 91.4260



Tritanomaly

75.7031, 84.6655, 100.3478

Monochromacy



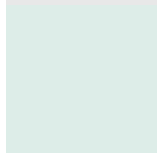
Original Color

72.0561, 84.8222, 89.6654



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

74.6685, 81.7667, 88.1910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.0561, 84.8222, 89.6654 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(201, 247, 233)` looks like.

```
.text, #text, p{  
    color:rgb(201, 247, 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(201, 247, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 247, 233) }
```

Border

The CSS property to change the border of an element to XYZ 72.0561, 84.8222, 89.6654 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(201, 247, 233) }
```


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

```
.border{ border-color:rgb(201, 247, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 247, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 247, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 247, 233);  
box-shadow:4px 4px 4px 4px rgb(201, 247,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 72.0561, 84.8222, 89.6654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 247, 233) }
```

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

```
.background{ background-color: rgb(201,  
247, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor