

Converting Colors

XYZ(72.5886, 89.1281, 75.8910)

Have a look what the booklet for
XYZ(72.5886, 89.1281, 75.8910)
contains.

XYZ(72.5455, 89.1108, 75.6639)	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(72.5455, 89.1108,
75.6639)**

Conversions

Conversions Part 1

Format	Color
Hex	CCFFD4
RGB	204, 255, 212
RGB Percent	80%, 100%, 83%
CMY	0.2000, 0.0000, 0.1686
CMYK	0.20, 0.00, 0.17, 0.00
HSL	129°, 100%, 90%
HSV	129°, 20%, 100%
XYZ	72.5455, 89.1108, 75.6639
YIQ	234.8490, -16.5930, -24.1850

Conversions

Conversions Part 2

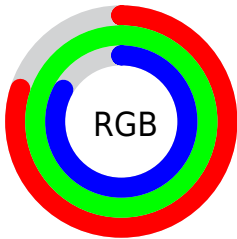
Format	Color
R_{YB}	204, 248, 255
Decimal	13434836
CIE _{Lab}	95.63, -24.21, 15.31
CIE _{LCh}	96, 28.643, 147.688
Yxy	89.1108, 0.3057, 0.3755
Android (android.graphics.Color)	4291624916 (0xFFCCFFD4)
YUV	234.8490, -11.2646, -27.0546
Hunter-Lab	94.3985, -28.0197, 18.5558

Details

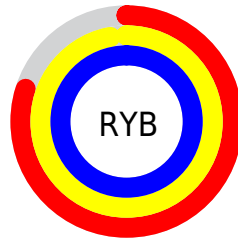
The XYZ color **72.5455, 89.1108, 75.6639** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **79.6217, 71.1619, 97.5344**, and the grayscale version is **78.9424, 83.0535, 90.4453**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.6743, 49.2120, 39.3588** is the 20% darker color. If you saturate the color by 10%, you get **63.5847, 84.7841, 62.0173**, and if you desaturate by 10%, it is **83.0132, 94.1726, 91.2690**.

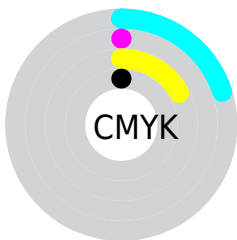
Distribution



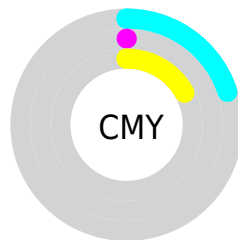
- Red (80%)
- Green (100%)
- Blue (83%)



- Red (80%)
- Yellow (97%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)



- Cyan (20%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.5455, 89.1108, 75.6639 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 72.5455, 89.1108, 75.6639 by changing the saturation by 10% instead.


 72.5455, 89.1108,
75.6639

 72.5455, 89.1108,
75.6639


458.5663,
525.1341, 499.5126

 53.8915, 67.2434,
55.6519

121.8384,
146.1026, 129.0074

 38.7452, 49.2824,
39.5218


153.2079,
181.9958, 163.1761

 26.7414, 34.8436,
26.8550


189.5467,
223.3331, 202.9007

 17.5147, 23.5424,
17.2328

231.2201,
270.4988, 248.5999

 10.6997, 14.9945,
10.2369

278.5933,
323.8774, 300.6921

 5.9311, 8.8155,
5.4487

332.0319,

 2.8435, 4.6211,

383.8532, 359.5959

2.4495

391.9011,
450.8106, 425.7299

■ 1.0715, 2.0267,
0.8132

■ 0.0011, 0.6229,
0.0000

■ 72.5455, 89.1108,
75.6639

■ 72.5455, 89.1108,
75.6639

■ 63.5847, 84.7841,
62.0173

■ 83.0132, 94.1726,
91.2690

■ 56.0589, 81.1571,
50.2478

95.0500, 100.0000,
108.9000

■ 49.8933, 78.1931,
40.2743

■ 45.0058, 75.8513,
32.0086

■ 41.3049, 74.0869,
25.3545

■ 38.6868, 72.8484,
20.2066

■ 37.0293, 72.0755,
16.4468

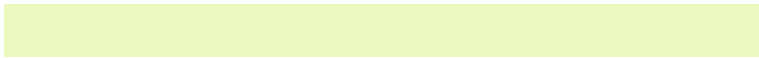
■ 36.1431, 71.6732,
13.9373

■ 36.1431, 71.6732,
13.9372

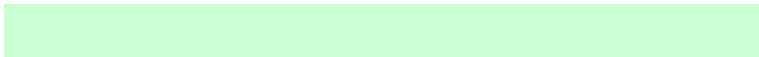
Harmonies

Analogous

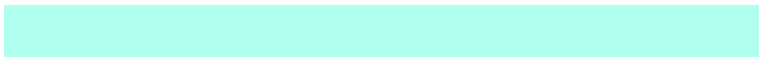
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8611, 89.1108, 63.4998



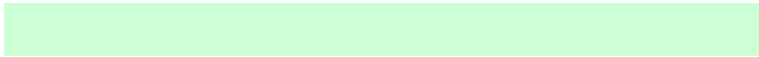
72.5455, 89.1108, 75.6639



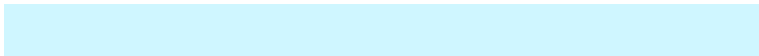
70.4643, 89.1108, 95.2897

Triad

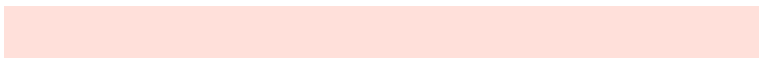
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.5455, 89.1108, 75.6639



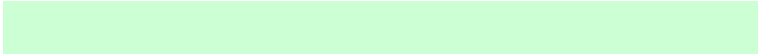
84.0885, 89.1108, 147.0677



98.8098, 89.1108, 78.2570

Complementary

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



72.5455, 89.1108, 75.6639



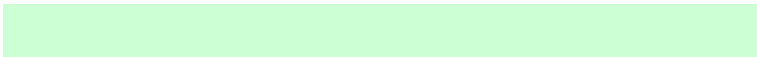
79.6217, 71.1619, 97.5344

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.



100.7280, 89.1108, 98.7843



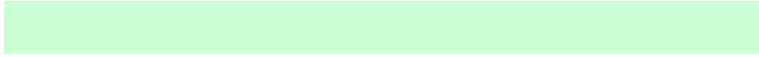
72.5455, 89.1108, 75.6639



91.9220, 89.1108, 140.6637

Square

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



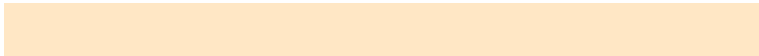
72.5455, 89.1108, 75.6639



76.8663, 89.1108, 138.4374



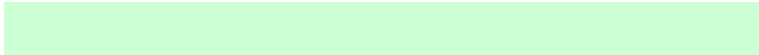
98.1352, 89.1108, 122.0733



93.0425, 89.1108, 64.8261

Rectangle

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



72.5455, 89.1108, 75.6639



71.0879, 89.1108, 110.7933



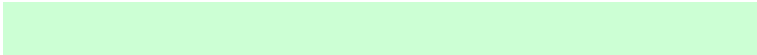
98.1352, 89.1108, 122.0733



99.9411, 89.1108, 84.4502

Sweetspot

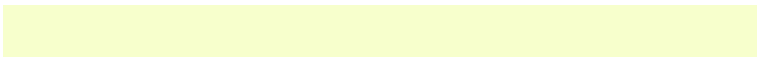
The Sweet Spot groups the original color and five complimentary colors.



72.5462, 89.1112, 75.6653



87.6355, 96.4096, 98.0734



85.1407, 95.7176, 71.1157



18.5923, 20.5556, 20.7491



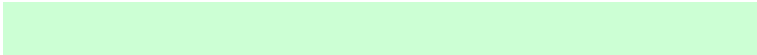
0.0000, 0.0000, 0.0000



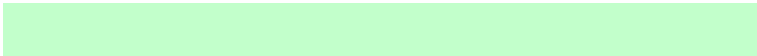
20.3446, 21.4041, 23.3091

Same Dimension

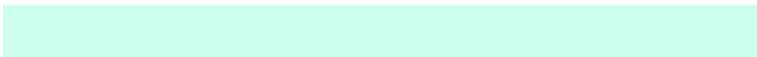
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.5462, 89.1112, 75.6653



68.7842, 87.2938, 69.9748



75.9704, 90.4808, 93.6966



17.8877, 20.2146, 19.7117



18.9197, 37.4645, 7.4627



1.8741, 3.6606, 0.8950

Inverse Universe

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



79.6217, 71.1619, 97.5344



77.0298, 66.3716, 95.4571



75.9981, 69.7124, 78.4529



18.6630, 18.2485, 22.1085



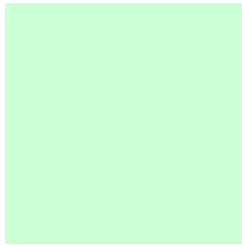
28.0037, 13.6908, 34.9993



2.7581, 1.3456, 3.5736

Previews

White Background



This preview shows how the XYZ color 72.5455, 89.1108, 75.6639 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 72.5455, 89.1108, 75.6639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

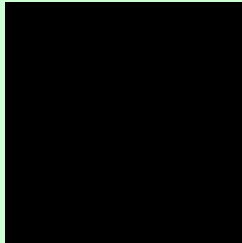
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

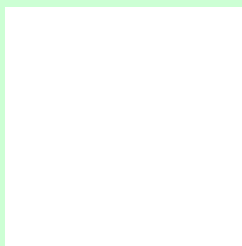
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.5455, 89.1108, 75.6639

Background



This preview shows how black text looks on a background with the XYZ color 72.5455, 89.1108, 75.6639.



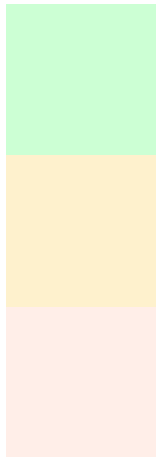
This preview shows how white text looks on a background with the XYZ color 72.5455, 89.1108,

75.6639.

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

72.5455, 89.1108, 75.6639

Protanopia

83.3478, 88.3892, 70.4255

Deuteranopia

86.3800, 88.2353, 88.8223



Tritanopia

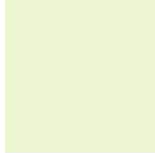
82.6973, 89.0188, 107.4315

Trichromacy



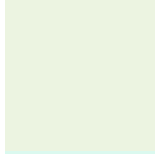
Original Color

72.5455, 89.1108, 75.6639



Protanomaly

78.9330, 88.2985, 72.5576



Deuteranomaly

80.5334, 87.9705, 83.9696



Tritanomaly

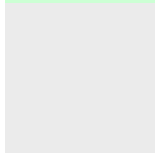
78.6691, 89.0434, 94.7022

Monochromacy



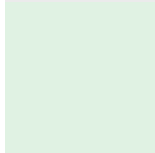
Original Color

72.5455, 89.1108, 75.6639



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

76.3577, 84.8976, 85.0354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.5455, 89.1108, 75.6639 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, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 212)  
}
```

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, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 212) }
```

Border

The CSS property to change the border of an element to XYZ 72.5455, 89.1108, 75.6639 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, 255, 212) }
```


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

```
.border{ border-color:rgb(204, 255, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 255, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 72.5455, 89.1108, 75.6639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 212) }
```

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

```
.background{ background-color: rgb(204,  
255, 212) }
```

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