

Converting Colors

XYZ(72.2161, 88.9791, 73.9295)

Have a look what the booklet for
XYZ(72.2161, 88.9791, 73.9295)
contains.

XYZ(72.1705, 88.9608, 73.6890)	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(72.1705, 88.9608,
73.6890)**

Conversions

Conversions Part 1

Format	Color
Hex	CCFFD1
RGB	204, 255, 209
RGB Percent	80%, 100%, 82%
CMY	0.2000, 0.0000, 0.1804
CMYK	0.20, 0.00, 0.18, 0.00
HSL	126°, 100%, 90%
HSV	126°, 20%, 100%
XYZ	72.1705, 88.9608, 73.6890
YIQ	234.5070, -15.6300, -25.1180

Conversions

Conversions Part 2

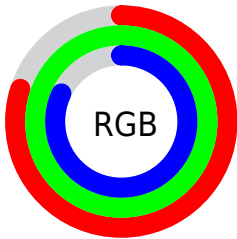
Format	Color
RYB	204, 250, 255
Decimal	13434833
CIELab	95.56, -24.73, 16.76
CIELCh	96, 29.870, 145.874
Yxy	88.9608, 0.3073, 0.3788
Android (android.graphics.Color)	4291624913 (0xFFCCFFD1)
YUV	234.5070, -12.5750, -26.7546
Hunter-Lab	94.3190, -28.4747, 19.7016

Details

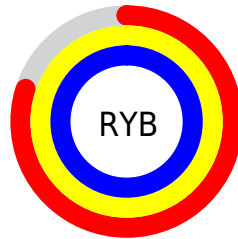
The XYZ color **72.1705, 88.9608, 73.6890** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **80.0885, 71.3486, 99.9926**, and the grayscale version is **78.6915, 82.7896, 90.1579**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.4212, 49.1108, 38.0262** is the 20% darker color. If you saturate the color by 10%, you get **63.0986, 84.5897, 59.4576**, and if you desaturate by 10%, it is **82.7992, 94.0870, 90.1419**.

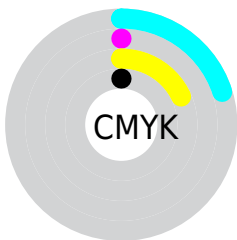
Distribution



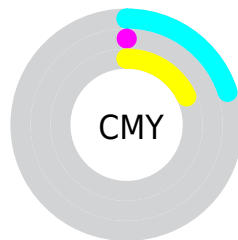
- Red (80%)
- Green (100%)
- Blue (82%)



- Red (80%)
- Yellow (98%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1705, 88.9608, 73.6890 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 72.1705, 88.9608, 73.6890 by changing the saturation by 10% instead.


 72.1705, 88.9608,
73.6890

 72.1705, 88.9608,
73.6890

457.2833,
524.6446, 492.5340

 53.5839, 67.1191,
54.0443


121.3084,
145.8941, 126.1848

 38.4985, 49.1814,
38.2437


152.5904,
181.7544, 159.8730

 26.5488, 34.7634,
25.8686


188.8350,
223.0563, 199.0794

 17.3694, 23.4807,
16.5004

230.4075,
270.1843, 244.2226

 10.5952, 14.9488,
9.7208

277.6732,
323.5227, 295.7211

 5.8606, 8.7835,
5.1111

330.9974,

 2.8004, 4.6002,

383.4560, 353.9935

2.2527

390.7457,
450.3685, 419.4583

■ 1.0491, 2.0147,
0.7045

■ 0.0000, 0.6160,
0.0000

■ 72.1705, 88.9608,
73.6890

■ 72.1705, 88.9608,
73.6890

■ 63.0986, 84.5897,
59.4576

■ 82.7992, 94.0870,
90.1419

■ 55.5083, 80.9369,
47.3484

95.0500, 100.0000,
108.9000

■ 49.3212, 77.9642,
37.2613

■ 44.4508, 75.6293,
29.0858

■ 40.8011, 73.8853,
22.7014

■ 38.2628, 72.6788,
17.9737

■ 36.7070, 71.9465,
14.7492

■ 35.9355, 71.5902,
12.8443

■ 35.9355, 71.5902,
12.8442

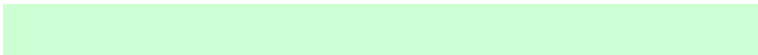
Harmonies

Analogous

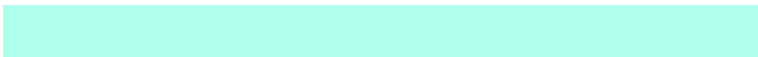
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8632, 88.9608, 61.6704



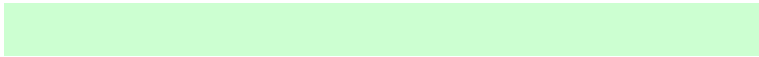
72.1705, 88.9608, 73.6890



69.7926, 88.9608, 93.6528

Triad

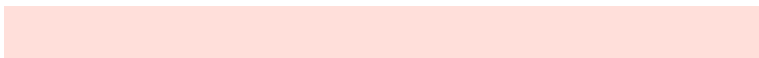
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.1705, 88.9608, 73.6890



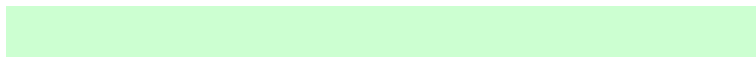
83.4260, 88.9608, 149.2023



99.5385, 88.9608, 78.4751

Complementary

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



72.1705, 88.9608, 73.6890



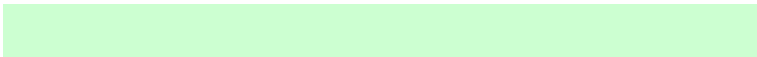
80.0885, 71.3486, 99.9926

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.



101.2638, 88.9608, 100.1461



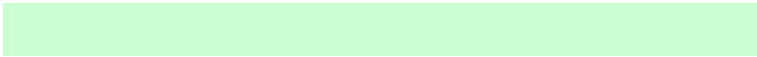
72.1705, 88.9608, 73.6890



91.6187, 88.9608, 143.4016

Square

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



72.1705, 88.9608, 73.6890



76.0196, 88.9608, 139.2258



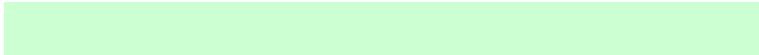
98.2800, 88.9608, 124.4483



93.7057, 88.9608, 64.1044

Rectangle

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



72.1705, 88.9608, 73.6890



70.2866, 88.9608, 109.7379



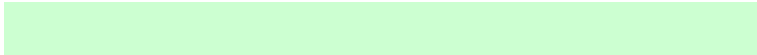
98.2800, 88.9608, 124.4483



100.6336, 88.9608, 85.0371

Sweetspot

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



72.1712, 88.9612, 73.6904



87.5005, 96.3556, 97.3627



86.3530, 96.3426, 71.1725



18.5605, 20.5429, 20.5818



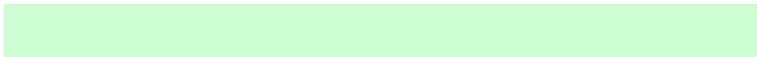
0.0000, 0.0000, 0.0000



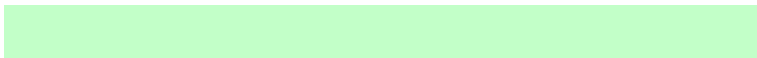
20.3446, 21.4041, 23.3091

Same Dimension

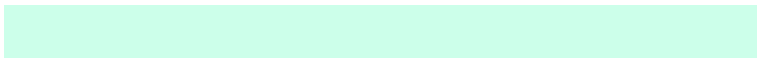
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.1712, 88.9612, 73.6904



68.3589, 87.1237, 67.7353



75.4778, 90.2838, 91.1027



17.8439, 20.1971, 19.4810



18.8008, 37.4169, 6.8364



1.8536, 3.6524, 0.7868

Inverse Universe

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



80.0885, 71.3486, 99.9926



77.5861, 66.5941, 98.3866



76.4581, 69.8965, 80.8754



18.7114, 18.2679, 22.3631



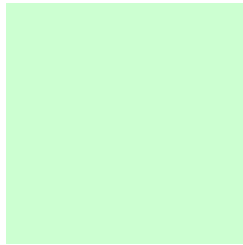
29.0431, 14.1065, 40.4728



2.8492, 1.3820, 4.0531

Previews

White Background



This preview shows how the XYZ color 72.1705, 88.9608, 73.6890 looks on a white background.

Color Contrast Check

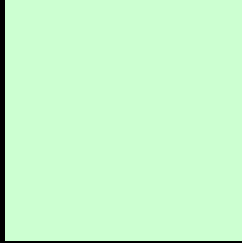
Large Text (above 18pt) WCAG AA × Fail

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 72.1705, 88.9608, 73.6890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

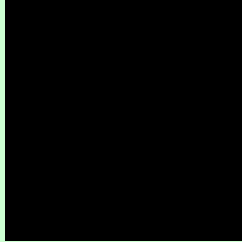
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

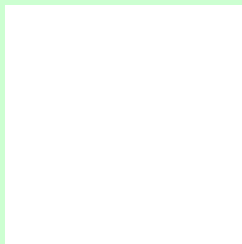
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.1705, 88.9608, 73.6890

Background



This preview shows how black text looks on a background with the XYZ color 72.1705, 88.9608, 73.6890.



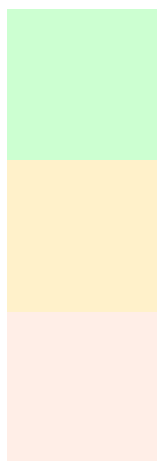
This preview shows how white text looks on a background with the XYZ color 72.1705, 88.9608,

73.6890.

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

72.1705, 88.9608, 73.6890

Protanopia

83.3560, 88.4349, 68.5534

Deuteranopia

86.2383, 88.1786, 88.0762



Tritanopia

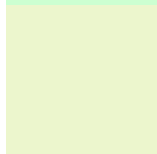
82.3956, 88.4153, 107.3309

Trichromacy



Original Color

72.1705, 88.9608, 73.6890



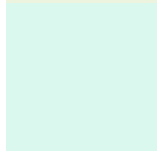
Protanomaly

78.5673, 88.1522, 70.6317



Deuteranomaly

80.2620, 87.8619, 82.5408



Tritanomaly

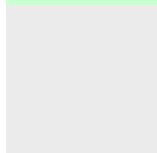
78.2134, 88.3679, 93.8233

Monochromacy



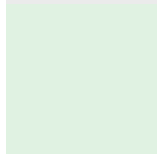
Original Color

72.1705, 88.9608, 73.6890



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

76.2201, 84.8425, 84.3105

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.1705, 88.9608, 73.6890 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 209)  
}
```

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, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 209) }
```

Border

The CSS property to change the border of an element to XYZ 72.1705, 88.9608, 73.6890 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, 209) }
```


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

```
.border{ border-color:rgb(204, 255, 209) }
```

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, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1705, 88.9608, 73.6890 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, 209) }
```

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

```
.background{ background-color: rgb(204,  
255, 209) }
```

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