

# Converting Colors

XYZ(124.7317, 194.1867,  
83.8474)

Have a look what the booklet for  
XYZ(124.7317, 194.1867, 83.8474)  
contains.

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# Color

**XYZ(72.1325, 89.1065,  
66.2208)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1FFC5
RGB	209, 255, 197
RGB Percent	82%, 100%, 77%
CMY	0.1804, 0.0000, 0.2274
CMYK	0.18, 0.00, 0.23, 0.00
HSL	108°, 100%, 89%
HSV	108°, 23%, 100%
XYZ	72.1325, 89.1065, 66.2208
YIQ	234.6340, -8.7980, -27.7900

# Conversions

## Conversions Part 2

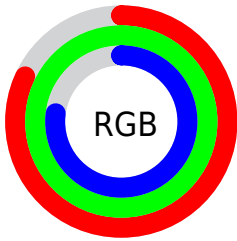
Format	Color
<a href="#">RYB</a>	<a href="#">197, 255, 243</a>
Decimal	<a href="#">13762501</a>
CIELab	<a href="#">95.62, -25.07, 23.01</a>
CIELCh	<a href="#">96, 34.026, 137.456</a>
Yxy	<a href="#">89.1065, 0.3171, 0.3917</a>
Android (android.graphics.Color)	<a href="#">4291952581 (0xFFD1FFC5)</a>
YUV	<a href="#">234.6340, -18.5536, -22.4810</a>
Hunter-Lab	<a href="#">94.3962, -28.7934, 24.4843</a>

# Details

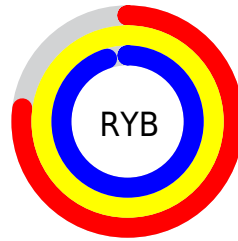
The XYZ color **72.1325, 89.1065, 66.2208** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.9793, 66.2084, 103.4354**, and the grayscale version is **78.8282, 82.9334, 90.3144**.

A 20% lighter version of the original color is **94.8894, 99.9358, 108.0543**, and **38.4784, 49.2414, 33.4631** is the 20% darker color. If you saturate the color by 10%, you get **64.0895, 85.2697, 51.8604**, and if you desaturate by 10%, it is **81.3973, 93.5160, 83.2210**.

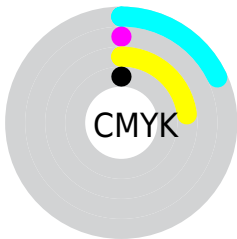
# Distribution



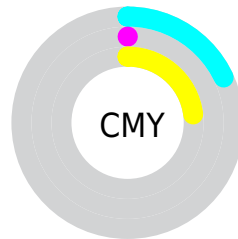
- Red (82%)
- Green (100%)
- Blue (77%)



- Red (77%)
- Yellow (100%)
- Blue (95%)



- Cyan (18%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)




- Cyan (18%)
- Magenta (0%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1325, 89.1065, 66.2208 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 72.1325, 89.1065, 66.2208 by changing the saturation by 10% instead.




 72.1325, 89.1065,  
66.2208

 72.1325, 89.1065,  
66.2208


457.1531,  
525.1200, 465.5919

 53.5528, 67.2398,  
47.9941


121.2547,  
146.0967, 115.4332

 38.4735, 49.2795,  
33.4622


152.5278,  
181.9889, 147.2559

 26.5292, 34.8413,  
22.2068


188.7628,  
223.3252, 184.4478

 17.3547, 23.5406,  
13.8091

230.3251,  
270.4898, 227.4272

 10.5846, 14.9932,  
7.8508

277.5798,  
323.8672, 276.6128

 5.8535, 8.8146,  
3.9132

330.8925,

 2.7960, 4.6205,

383.8418, 332.4231

1.5779

390.6285,  
450.7979, 395.2766

■ 1.0468, 2.0263,  
0.2749

■ 0.0000, 0.6227,  
0.0000

■ 72.1325, 89.1065,  
66.2208

■ 72.1325, 89.1065,  
66.2208

■ 64.0895, 85.2697,  
51.8604

■ 81.3973, 93.5160,  
83.2210

■ 57.2147, 81.9809,  
40.0034

■ 91.9311, 98.5200,  
102.9797

■ 51.4528, 79.2148,  
30.5077

■ 95.0500, 100.0000,  
108.9000

■ 46.7433, 76.9435,  
23.2149

■ 43.0194, 75.1365,  
17.9477

■ 40.2065, 73.7597,  
14.5010

■ 38.2176, 72.7739,  
12.6265

■ 37.2154, 72.2703,  
11.9881

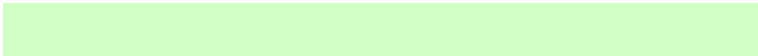
# Harmonies

## Analogous

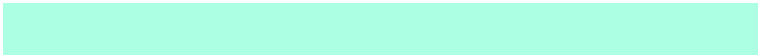
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.4165, 89.1065, 55.7458



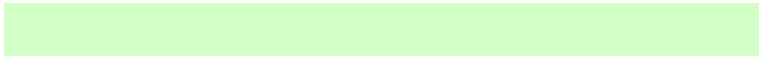
72.1325, 89.1065, 66.2208



68.3366, 89.1065, 86.2692

# Triad

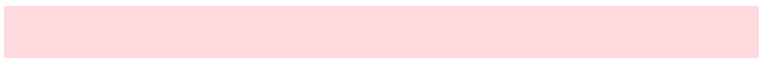
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.1325, 89.1065, 66.2208



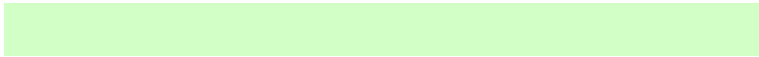
80.8502, 89.1065, 156.4209



103.0162, 89.1065, 82.3893

# Complementary

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



72.1325, 89.1065, 66.2208



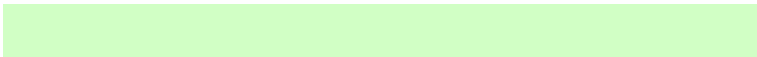
74.9793, 66.2084, 103.4354

# Split Complementary

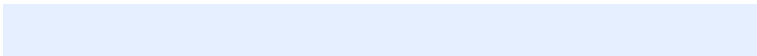
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.4711, 89.1065, 108.6328



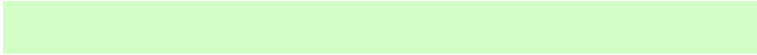
72.1325, 89.1065, 66.2208



90.1983, 89.1065, 154.8565

# Square

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



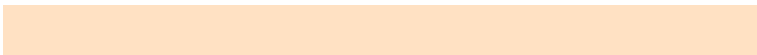
72.1325, 89.1065, 66.2208



73.1154, 89.1065, 140.0884



98.6331, 89.1065, 136.1418

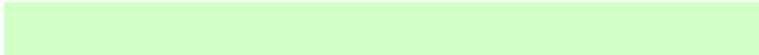


97.4326, 89.1065, 63.8323

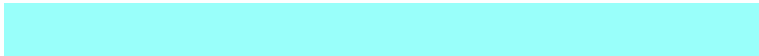


# Rectangle

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



72.1325, 89.1065, 66.2208



68.0968, 89.1065, 103.8541



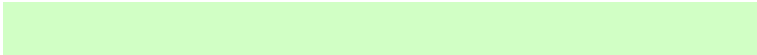
98.6331, 89.1065, 136.1418



103.7879, 89.1065, 90.4960

# Sweetspot

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



72.1331, 89.1068, 66.2222



87.2900, 96.3163, 94.2260



83.1997, 89.0541, 65.6287



18.5468, 20.5507, 19.9114



0.0000, 0.0000, 0.0000

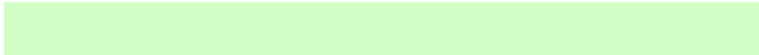


20.3446, 21.4041, 23.3091

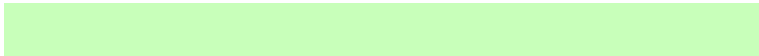


# Same Dimension

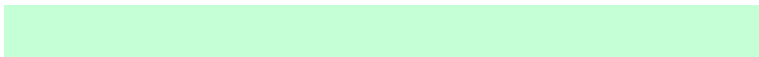
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.1331, 89.1068, 66.2222



68.5637, 87.4052, 59.7952



70.8521, 88.2168, 76.5339



18.1226, 20.3491, 19.1169



19.5437, 37.8132, 6.2686



1.9881, 3.7257, 0.6143



# Inverse Universe

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



74.9793, 66.2084, 103.4354



71.8329, 61.0589, 102.6073



76.7229, 67.4000, 90.2923



18.4031, 18.0995, 22.7736



22.3212, 10.4175, 50.2689

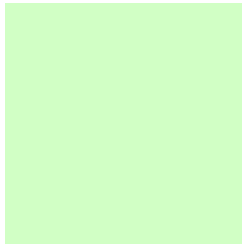


2.2615, 1.0598, 4.8986



# Previews

## White Background



This preview shows how the XYZ color 72.1325, 89.1065, 66.2208 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

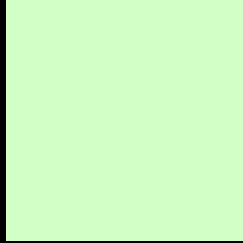
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.1325, 89.1065, 66.2208 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

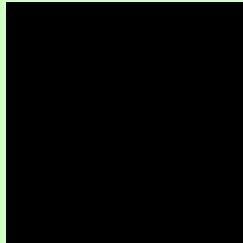
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

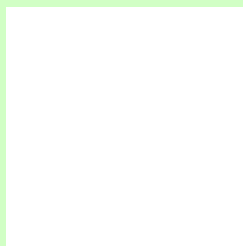
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.1325, 89.1065, 66.2208**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.1325, 89.1065, 66.2208.



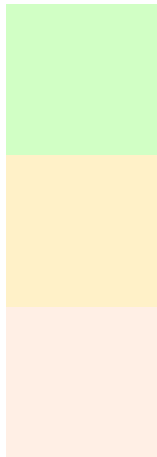
This preview shows how white text looks on a background with the XYZ color 72.1325, 89.1065,



# 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

72.1325, 89.1065, 66.2208

### Protanopia

83.1206, 88.3407, 67.3141

### Deuteranopia

86.2494, 88.6501, 86.6941



## Tritanopia

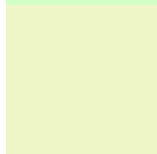
83.0338, 88.7444, 107.3608

# Trichromacy



## Original Color

72.1325, 89.1065, 66.2208



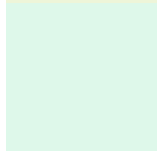
## Protanomaly

78.5245, 88.2122, 66.9208



## Deuteranomaly

80.4367, 88.4917, 78.4868



## Tritanomaly

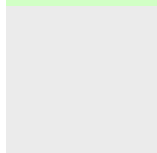
78.5429, 88.6049, 90.8047

# Monochromacy



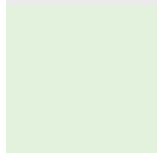
## Original Color

72.1325, 89.1065, 66.2208



## Achromatopsia

78.9647, 83.0770, 90.4708



## Achromatomaly

76.1673, 84.8935, 80.7782

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.1325, 89.1065, 66.2208 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(209, 255, 197)` looks like.

```
.text, #text, p{  
    color:rgb(209, 255, 197)  
}
```

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(209, 255, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 255, 197) }
```

## Border

The CSS property to change the border of an element to XYZ 72.1325, 89.1065, 66.2208 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(209, 255, 197) }
```



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

```
.border{ border-color:rgb(209, 255, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 255, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 255, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 255, 197);  
box-shadow:4px 4px 4px 4px rgb(209, 255,  
197) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.1325, 89.1065, 66.2208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 255, 197) }
```

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

```
.background{ background-color: rgb(209,  
255, 197) }
```

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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