

# Converting Colors

XYZ(72.1801, 89.4194, 53.1946)

Have a look what the booklet for  
XYZ(72.1801, 89.4194, 53.1946)  
contains.

<b>XYZ(72.2163, 89.4426, 52.9931)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(72.2163, 89.4426,  
52.9931)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAFFAD
RGB	218, 255, 173
RGB Percent	85%, 100%, 68%
CMY	0.1451, 0.0000, 0.3216
CMYK	0.15, 0.00, 0.32, 0.00
HSL	87°, 100%, 84%
HSV	87°, 32%, 100%
XYZ	72.2163, 89.4426, 52.9931
YIQ	234.5890, 4.2700, -33.3460

# Conversions

## Conversions Part 2

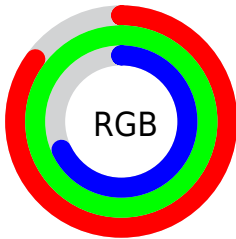
<b>Format</b>	<b>Color</b>
<b>RYB</b>	173, 255, 210
Decimal	14352301
CIELab	95.77, -25.50, 35.38
CIELCh	96, 43.609, 125.779
Yxy	89.4426, 0.3364, 0.4167
Android (android.graphics.Color)	4292542381 (0xFFDAFFAD)
YUV	234.5890, -30.3634, -14.5486
Hunter-Lab	94.5741, -29.2030, 32.9797

# Details

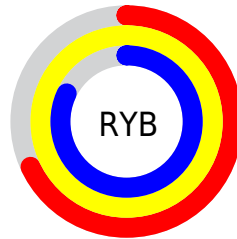
The XYZ color **72.2163, 89.4426, 52.9931** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **59.5729, 50.8100, 101.2752**, and the grayscale version is **78.8737, 82.9813, 90.3666**.

A 20% lighter version of the original color is **91.1429, 98.4371, 88.3253**, and **38.4845, 49.4256, 25.2810** is the 20% darker color. If you saturate the color by 10%, you get **66.6571, 86.8351, 41.0586**, and if you desaturate by 10%, it is **78.4862, 92.3620, 67.4215**.

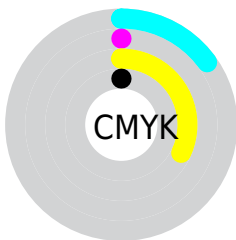
# Distribution



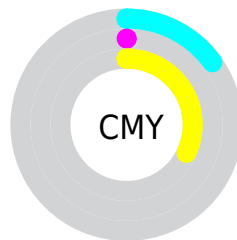
- Red (85%)
- Green (100%)
- Blue (68%)



- Red (68%)
- Yellow (100%)
- Blue (82%)



- Cyan (15%)
- Magenta (0%)
- Yellow (32%)
- Black (0%)




- Cyan (15%)
- Magenta (0%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.2163, 89.4426, 52.9931 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 72.2163, 89.4426, 52.9931 by changing the saturation by 10% instead.





 72.2163, 89.4426,  
52.9931

 72.2163, 89.4426,  
52.9931


457.4401,  
526.2160, 415.3242

 53.6215, 67.5184,  
37.4096

 121.3731,  
146.5639, 96.0357

 38.5286, 49.5061,  
25.2265


152.6659,  
182.5298, 124.3318

 26.5723, 35.0211,  
16.0253


188.9220,  
223.9451, 157.7025

 17.3872, 23.6791,  
9.3875

230.5067,  
271.1942, 196.5664

 10.6079, 15.0958,  
4.8946

277.7856,  
324.6614, 241.3419

 5.8692, 8.8866,  
2.1279

331.1239,

 2.8056, 4.6673,

384.7312, 292.4477

0.6323

390.8869,  
451.7879, 350.3023

■ 1.0518, 2.0534,  
0.0000

■ 0.0000, 0.6382,  
0.0000

■ 72.2163, 89.4426,  
52.9931

■ 72.2163, 89.4426,  
52.9931

■ 66.6571, 86.8351,  
41.0586

■ 78.4862, 92.3620,  
67.4215

■ 61.7756, 84.5257,  
31.4724

■ 85.4950, 95.6050,  
84.4704

■ 57.5378, 82.5003,  
24.0796

■ 93.2706, 99.1835,  
104.2625

■ 53.9053, 80.7429,  
18.7055

95.0500, 100.0000,  
108.9000

■ 50.8346, 79.2354,  
15.1484

■ 48.2740, 77.9566,  
13.1648

■ 46.5647, 77.0900,  
12.4256

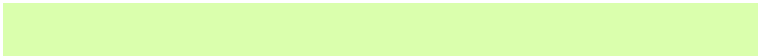
# Harmonies

## Analogous

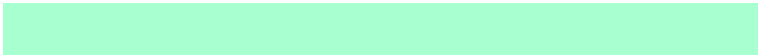
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.7088, 89.4426, 45.3051



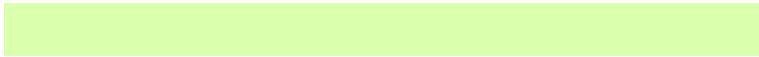
72.2163, 89.4426, 52.9931



65.6484, 89.4426, 72.7031

# Triad

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



72.2163, 89.4426, 52.9931



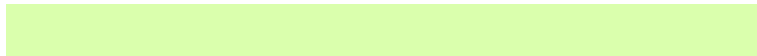
75.8886, 89.4426, 170.9868



110.1126, 89.4426, 90.8803

# Complementary

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



72.2163, 89.4426, 52.9931



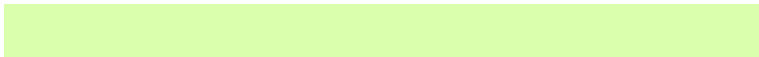
59.5729, 50.8100, 101.2752

# Split Complementary

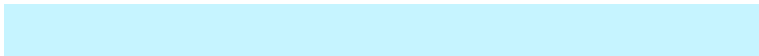
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



107.8529, 89.4426, 127.1092



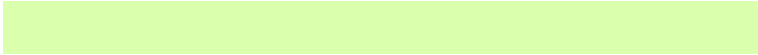
72.2163, 89.4426, 52.9931



87.3586, 89.4426, 179.0930

# Square

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



72.2163, 89.4426, 52.9931



67.6247, 89.4426, 141.3855



99.2375, 89.4426, 161.4787

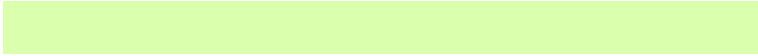


105.1512, 89.4426, 63.6198



# Rectangle

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



72.2163, 89.4426, 52.9931



64.0045, 89.4426, 92.6023



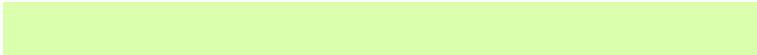
99.2375, 89.4426, 161.4787



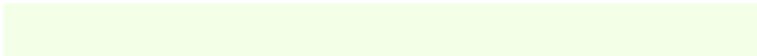
110.1776, 89.4426, 102.3353

# Sweetspot

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



72.2167, 89.4427, 52.9944



87.1056, 96.3478, 88.5013



71.8053, 70.3217, 49.3254



18.4186, 20.5184, 18.3774



0.0000, 0.0000, 0.0000

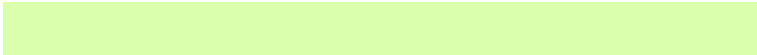


20.3446, 21.4041, 23.3091

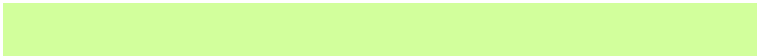


# Same Dimension

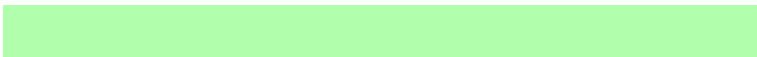
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.2167, 89.4427, 52.9944



68.3368, 87.6252, 44.5647



61.4579, 83.8964, 52.4909



18.7245, 20.6594, 19.1451



24.5055, 40.3712, 6.5008



2.5119, 3.9957, 0.6389



# Inverse Universe

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



59.5729, 50.8100, 101.2752



53.7960, 43.1841, 100.1077



72.7417, 57.5988, 101.8915



17.7814, 17.7790, 22.7445



13.2967, 5.7652, 49.8466

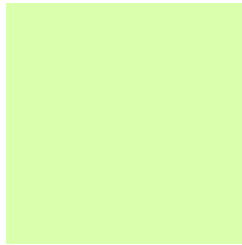


1.4184, 0.6251, 4.8592



# Previews

## White Background



This preview shows how the XYZ color 72.2163, 89.4426, 52.9931 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

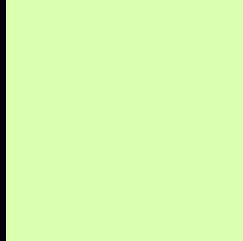
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.2163, 89.4426, 52.9931 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

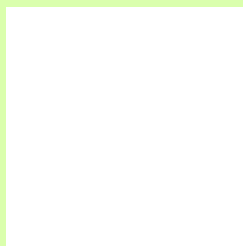
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.2163, 89.4426, 52.9931**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.2163, 89.4426, 52.9931.



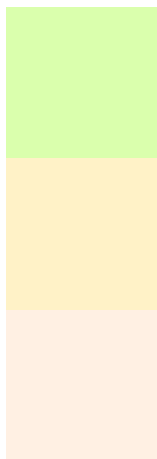
This preview shows how white text looks on a background with the XYZ color 72.2163, 89.4426,

52.9931.

# 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

72.2163, 89.4426, 52.9931

### Protanopia

83.3009, 88.8878, 66.7995

### Deuteranopia

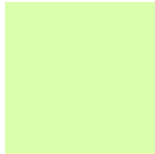
86.2652, 89.1262, 85.3295



## Tritanopia

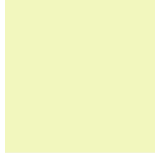
84.6927, 89.1541, 107.3524

# Trichromacy



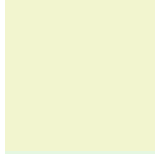
## Original Color

72.2163, 89.4426, 52.9931



## Protanomaly

79.1730, 89.1165, 61.7435



## Deuteranomaly

80.5328, 88.6871, 71.9053



## Tritanomaly

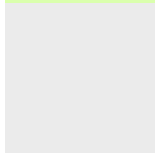
79.1645, 88.6158, 84.1663

# Monochromacy



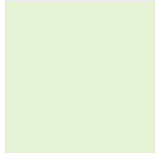
## Original Color

72.2163, 89.4426, 52.9931



## Achromatopsia

78.9647, 83.0770, 90.4708



## Achromatomaly

75.9489, 84.9157, 74.6748

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.2163, 89.4426, 52.9931 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(218, 255, 173)` looks like.

```
.text, #text, p{  
    color:rgb(218, 255, 173)  
}
```

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(218, 255, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 255, 173) }
```

## Border

The CSS property to change the border of an element to XYZ 72.2163, 89.4426, 52.9931 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(218, 255, 173) }
```



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

```
.border{ border-color:rgb(218, 255, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 255, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 255, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 255, 173);  
box-shadow:4px 4px 4px 4px rgb(218, 255,  
173) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.2163, 89.4426, 52.9931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 255, 173) }
```

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

```
.background{ background-color: rgb(218,  
255, 173) }
```

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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