

# Converting Colors

XYZ(72.0828, 89.2027, 60.7157)

Have a look what the booklet for  
XYZ(72.0828, 89.2027, 60.7157)  
contains.

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# Color

**XYZ(72.2777, 89.2970,  
61.0036)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5FFBC
RGB	213, 255, 188
RGB Percent	84%, 100%, 74%
CMY	0.1647, 0.0000, 0.2627
CMYK	0.16, 0.00, 0.26, 0.00
HSL	98°, 100%, 87%
HSV	98°, 26%, 100%
XYZ	72.2777, 89.2970, 61.0036
YIQ	234.8040, -3.5250, -29.7410

# Conversions

## Conversions Part 2

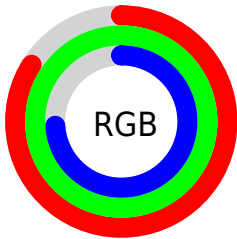
Format	Color
R <sub>YB</sub>	188, 255, 230
Decimal	14024636
CIE <sub>Lab</sub>	95.70, -25.11, 27.72
CIE <sub>LCh</sub>	96, 37.396, 132.171
Yxy	89.2970, 0.3247, 0.4012
Android (android.graphics.Color)	4292214716 (0xFFD5FFBC)
YUV	234.8040, -23.0744, -19.1221
Hunter-Lab	94.4971, -28.8412, 27.8727

# Details

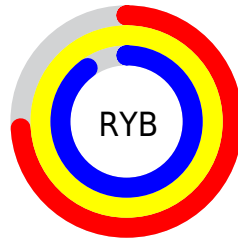
The XYZ color **72.2777, 89.2970, 61.0036** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.6673, 60.0107, 102.5718**, and the grayscale version is **78.9879, 83.1014, 90.4975**.

A 20% lighter version of the original color is **93.4814, 99.3726, 100.6400**, and **38.5977, 49.3785, 30.0509** is the 20% darker color. If you saturate the color by 10%, you get **65.3564, 86.0190, 47.5757**, and if you desaturate by 10%, it is **80.1428, 93.0054, 77.0135**.

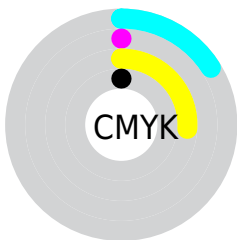
# Distribution



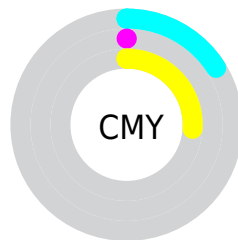
- Red (84%)
- Green (100%)
- Blue (74%)



- Red (74%)
- Yellow (100%)
- Blue (90%)



- Cyan (16%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)



- Cyan (16%)
- Magenta (0%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.2777, 89.2970, 61.0036 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 72.2777, 89.2970, 61.0036 by changing the saturation by 10% instead.





 72.2777, 89.2970,  
61.0036

 72.2777, 89.2970,  
61.0036


457.6502,  
525.7414, 446.1941

 53.6718, 67.3977,  
43.7975


 121.4599,  
146.3615, 107.8417

 38.5690, 49.4079,  
30.1753


152.7670,  
182.2955, 138.3108

 26.6038, 34.9432,  
19.7185


189.0385,  
223.6766, 174.0380

 17.4109, 23.6191,  
12.0086

230.6398,  
270.8891, 215.4418

 10.6250, 15.0513,  
6.6269

277.9363,  
324.3174, 262.9408

 5.8807, 8.8554,  
3.1550

331.2933,

 2.8127, 4.6470,

384.3460, 316.9535

1.1743

391.0762,  
451.3592, 377.8984

■ 1.0555, 2.0417,  
0.0000

■ 0.0000, 0.6315,  
0.0000

■ 72.2777, 89.2970,  
61.0036

■ 72.2777, 89.2970,  
61.0036

■ 65.3564, 86.0190,  
47.5757

■ 80.1428, 93.0054,  
77.0135

■ 59.3387, 83.1536,  
36.5906

■ 88.9866, 97.1595,  
95.7268

■ 54.1834, 80.6830,  
27.9020

95.0500, 100.0000,  
108.9000

■ 49.8451, 78.5871,  
21.3463

■ 46.2736, 76.8442,  
16.7385

■ 43.4115, 75.4294,  
13.8616

■ 41.1905, 74.3135,  
12.4459

■ 40.4946, 73.9608,  
12.1416

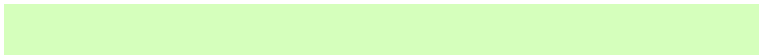
# Harmonies

## Analogous

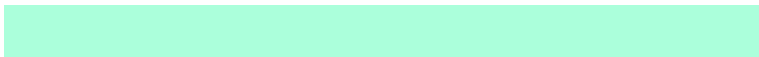
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.7726, 89.2970, 51.7084



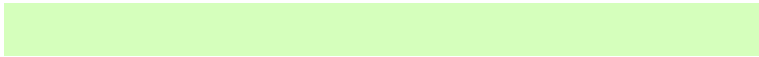
72.2777, 89.2970, 61.0036



67.4054, 89.2970, 80.8986

# Triad

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



72.2777, 89.2970, 61.0036



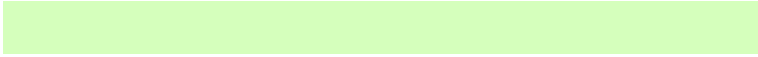
78.9619, 89.2970, 161.7274



105.7107, 89.2970, 85.7706

# Complementary

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



72.2777, 89.2970, 61.0036



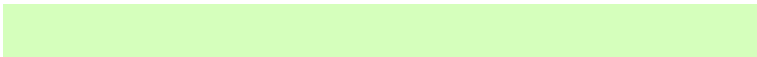
68.6673, 60.0107, 102.5718

# Split Complementary

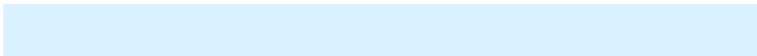
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



105.1269, 89.2970, 115.6219



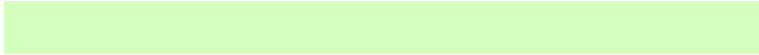
72.2777, 89.2970, 61.0036



89.1122, 89.2970, 163.7674

# Square

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



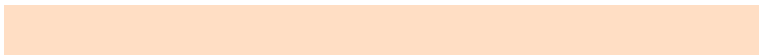
72.2777, 89.2970, 61.0036



71.0446, 89.2970, 140.4246



98.8551, 89.2970, 145.5366

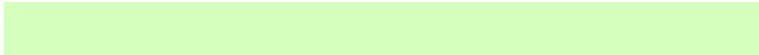


100.3911, 89.2970, 63.9471

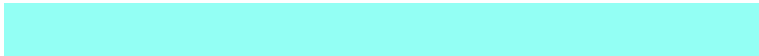


# Rectangle

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



72.2777, 89.2970, 61.0036



66.6062, 89.2970, 99.3905



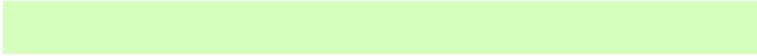
98.8551, 89.2970, 145.5366



106.2096, 89.2970, 95.0995

# Sweetspot

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



72.2782, 89.2972, 61.0049



87.3883, 96.4098, 92.2977



78.4246, 81.1055, 59.0998



18.4118, 20.4982, 19.1305



0.0000, 0.0000, 0.0000

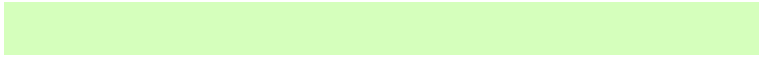


20.3446, 21.4041, 23.3091

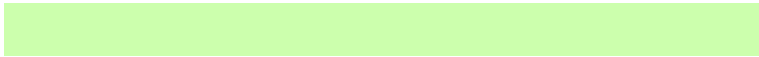


# Same Dimension

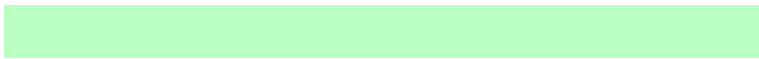
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.2782, 89.2972, 61.0049



68.2015, 87.3684, 53.0076



66.4428, 86.1889, 65.2507



18.4118, 20.4982, 19.1305



21.3104, 38.7240, 6.3513



2.1910, 3.8302, 0.6238



# Inverse Universe

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



68.6673, 60.0107, 102.5718



63.9825, 53.1966, 101.5035



76.0406, 63.9542, 96.4809



18.0973, 17.9419, 22.7593



17.1620, 7.7578, 50.0275

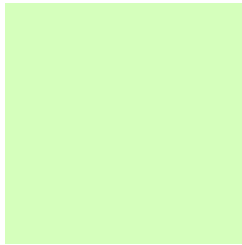


1.7920, 0.8177, 4.8767



# Previews

## White Background



This preview shows how the XYZ color 72.2777, 89.2970, 61.0036 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 72.2777, 89.2970, 61.0036 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

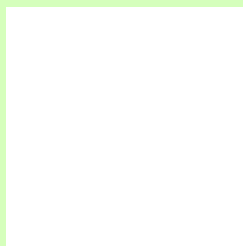
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.2777, 89.2970, 61.0036**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.2777, 89.2970, 61.0036.



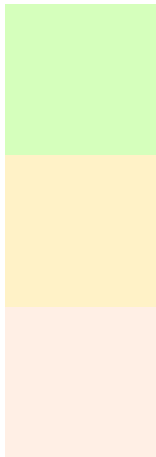
This preview shows how white text looks on a background with the XYZ color 72.2777, 89.2970,



# 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

72.2777, 89.2970, 61.0036

### Protanopia

83.3009, 88.8878, 66.7995

### Deuteranopia

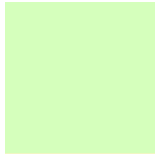
86.2494, 88.6501, 86.6941



## **Tritanopia**

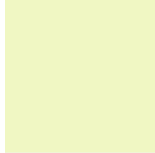
84.0050, 89.2450, 107.4062

# Trichromacy



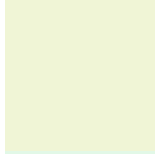
## Original Color

72.2777, 89.2970, 61.0036



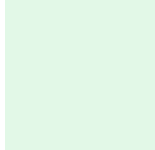
## Protanomaly

79.0463, 88.9869, 64.6398



## Deuteranomaly

80.7252, 88.6851, 76.4816



## Tritanomaly

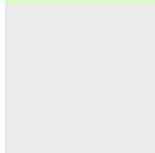
79.3552, 89.0731, 88.6117

# Monochromacy



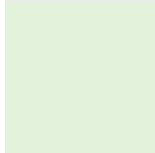
## Original Color

72.2777, 89.2970, 61.0036



## Achromatopsia

78.9647, 83.0770, 90.4708



## Achromatomaly

76.0856, 84.8971, 78.7063

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.2777, 89.2970, 61.0036 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(213, 255, 188)` looks like.

```
.text, #text, p{  
    color:rgb(213, 255, 188)  
}
```

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(213, 255, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 255, 188) }
```

## Border

The CSS property to change the border of an element to XYZ 72.2777, 89.2970, 61.0036 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(213, 255, 188) }
```



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

```
.border{ border-color:rgb(213, 255, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 255, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(213, 255, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(213, 255, 188); box-shadow:4px 4px 4px 4px rgb(213, 255, 188) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.2777, 89.2970, 61.0036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 255, 188) }
```

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

```
.background{ background-color: rgb(213,  
255, 188) }
```

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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