

Converting Colors

XYZ(72.2801, 89.6072, 47.0446)

Have a look what the booklet for
XYZ(72.2801, 89.6072, 47.0446)
contains.

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Color

**XYZ(72.3172, 89.6228,
47.2056)**

Conversions

Conversions Part 1

Format	Color
Hex	DEFFA1
RGB	222, 255, 161
RGB Percent	87%, 100%, 63%
CMY	0.1294, 0.0000, 0.3686
CMYK	0.13, 0.00, 0.37, 0.00
HSL	81°, 100%, 82%
HSV	81°, 37%, 100%
XYZ	72.3172, 89.6228, 47.2056
YIQ	234.4170, 10.5060, -36.2300

Conversions

Conversions Part 2

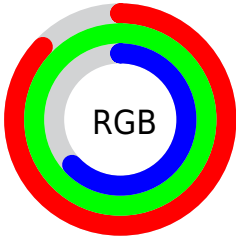
Format	Color
RYB	161, 255, 194
Decimal	14614433
CIELab	95.84, -25.61, 41.46
CIELCh	96, 48.728, 121.703
Yxy	89.6228, 0.3458, 0.4285
Android (android.graphics.Color)	4292804513 (0xFFDEFFA1)
YUV	234.4170, -36.1946, -10.8897
Hunter-Lab	94.6693, -29.3165, 36.7044

Details

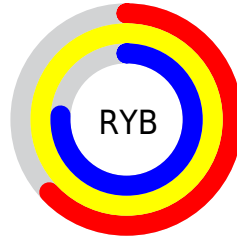
The XYZ color **72.3172, 89.6228, 47.2056** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **53.0441, 44.1803, 100.3397**, and the grayscale version is **78.7824, 82.8852, 90.2620**.

A 20% lighter version of the original color is **89.5244, 97.7898, 79.8025**, and **38.6267, 49.5779, 21.7210** is the 20% darker color. If you saturate the color by 10%, you get **67.6231, 87.4368, 36.4205**, and if you desaturate by 10%, it is **77.6162, 92.0676, 60.4151**.

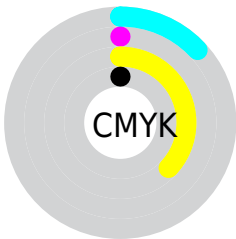
Distribution



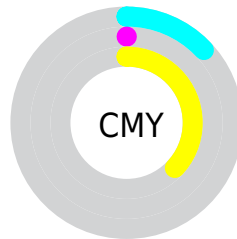
- Red (87%)
- Green (100%)
- Blue (63%)



- Red (63%)
- Yellow (100%)
- Blue (76%)



- Cyan (13%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)



- Cyan (13%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.3172, 89.6228, 47.2056 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 72.3172, 89.6228, 47.2056 by changing the saturation by 10% instead.


 72.3172, 89.6228,
47.2056


 72.3172, 89.6228,
47.2056


457.7854,
526.8031, 392.0521

 53.7042, 67.6678,
32.8427


 121.5158,
146.8143, 87.3736

 38.5950, 49.6276,
21.7358


 152.8321,
182.8197, 114.0159

 26.6241, 35.1176,
13.4665


189.1135,
224.2773, 145.5883

 17.4262, 23.7534,
7.6161

230.7255,
271.5716, 182.5094

 10.6360, 15.1508,
3.7660

278.0333,
325.0869, 225.1978

 5.8881, 8.9253,
1.4979

331.4023,

 2.8172, 4.6925,

385.2077, 274.0720

0.2164

391.1979,
452.3183, 329.5506

■ 1.0578, 2.0680,
0.0000

■ 0.0000, 0.6465,
0.0000

■ 72.3172, 89.6228,
47.2056

■ 72.3172, 89.6228,
47.2056

■ 67.6231, 87.4368,
36.4205

■ 77.6162, 92.0676,
60.4151

■ 63.5027, 85.4967,
27.9082

■ 83.5469, 94.7822,
76.1806

■ 59.9227, 83.7892,
21.5058

■ 90.1357, 97.7774,
94.6286

■ 56.8456, 82.2988,
17.0272

95.0500, 100.0000,
108.9000

■ 54.2275, 81.0078,
14.2540

■ 52.0133, 79.8938,
12.9095

■ 51.3764, 79.5706,
12.6508

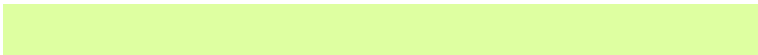
Harmonies

Analogous

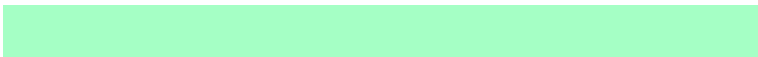
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.4184, 89.6228, 40.7428



72.3172, 89.6228, 47.2056



64.4033, 89.6228, 66.5479

Triad

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



72.3172, 89.6228, 47.2056



73.5159, 89.6228, 178.2922



113.7006, 89.6228, 95.4018

Complementary

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



72.3172, 89.6228, 47.2056



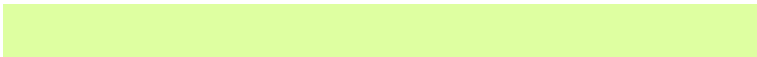
53.0441, 44.1803, 100.3397

Split Complementary

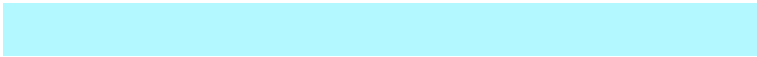
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



110.0129, 89.6228, 137.0222



72.3172, 89.6228, 47.2056



85.9538, 89.6228, 191.7821

Square

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



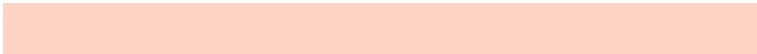
72.3172, 89.6228, 47.2056



65.0425, 89.6228, 141.8530



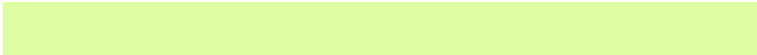
99.4926, 89.6228, 175.0264



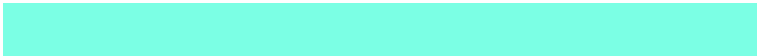
109.1050, 89.6228, 63.6409

Rectangle

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



72.3172, 89.6228, 47.2056



62.0941, 89.6228, 87.2930



99.4926, 89.6228, 175.0264



113.3869, 89.6228, 108.6535

Sweetspot

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



72.3175, 89.6229, 47.2069



87.3276, 96.5032, 86.6612



66.9432, 62.3732, 42.2304



18.5002, 20.5686, 18.0124



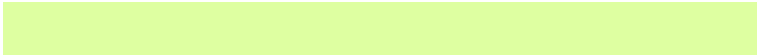
0.0000, 0.0000, 0.0000



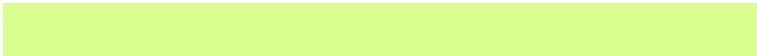
20.3446, 21.4041, 23.3091

Same Dimension

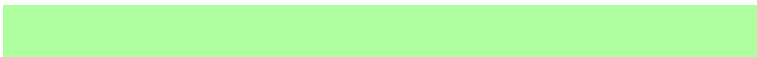
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.3175, 89.6229, 47.2069



68.9065, 88.0367, 39.2683



59.8954, 83.2191, 46.6255



18.9060, 20.7530, 19.1536



27.0131, 41.6638, 6.6182



2.7486, 4.1177, 0.6499

Inverse Universe

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



53.0441, 44.1803, 100.3397



47.1788, 36.7732, 99.2191



67.0370, 51.3939, 100.9945



17.6045, 17.6879, 22.7362



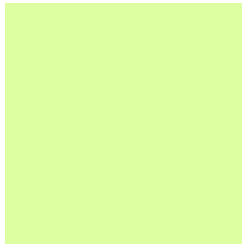
11.7560, 4.9709, 49.7745



1.2576, 0.5423, 4.8517

Previews

White Background



This preview shows how the XYZ color 72.3172, 89.6228, 47.2056 looks on a white background.

Color Contrast Check

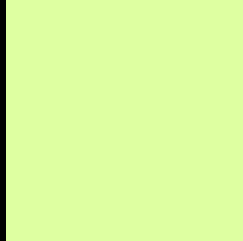
Large Text (above 18pt) WCAG AA × Fail

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 72.3172, 89.6228, 47.2056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

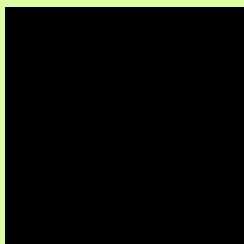
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

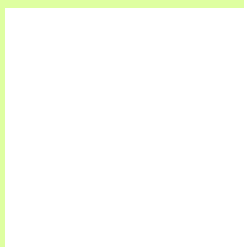
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.3172, 89.6228, 47.2056

Background



This preview shows how black text looks on a background with the XYZ color 72.3172, 89.6228, 47.2056.



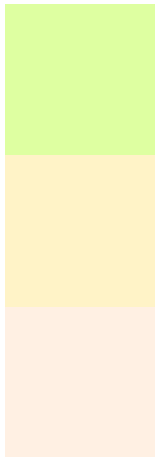
This preview shows how white text looks on a background with the XYZ color 72.3172, 89.6228,

47.2056.

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

72.3172, 89.6228, 47.2056

Protanopia

83.5994, 89.4847, 66.8989

Deuteranopia

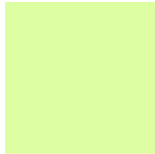
86.2652, 89.1262, 85.3295



Tritanopia

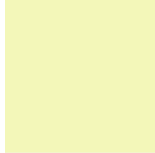
85.3605, 89.4983, 107.3837

Trichromacy



Original Color

72.3172, 89.6228, 47.2056



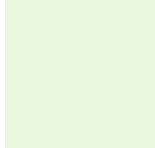
Protanomaly

78.9799, 89.0790, 58.9302



Deuteranomaly

80.3940, 88.6713, 69.3780



Tritanomaly

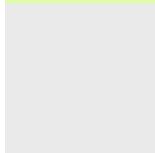
79.5906, 88.8978, 81.3707

Monochromacy



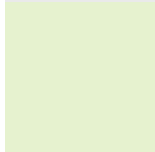
Original Color

72.3172, 89.6228, 47.2056



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.6477, 84.8322, 71.4187

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.3172, 89.6228, 47.2056 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(222, 255, 161)` looks like.

```
.text, #text, p{  
    color:rgb(222, 255, 161)  
}
```

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(222, 255, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 161) }
```

Border

The CSS property to change the border of an element to XYZ 72.3172, 89.6228, 47.2056 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(222, 255, 161) }
```


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

```
.border{ border-color:rgb(222, 255, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 255, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 255, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 255, 161);  
box-shadow:4px 4px 4px 4px rgb(222, 255,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 72.3172, 89.6228, 47.2056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 255, 161) }
```

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

```
.background{ background-color: rgb(222,  
255, 161) }
```

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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