

Converting Colors

XYZ(72.6244, 87.8318, 47.8032)

Have a look what the booklet for
XYZ(72.6244, 87.8318, 47.8032)
contains.

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Color

**XYZ(72.7866, 87.9696,
47.7939)**

Conversions

Conversions Part 1

Format	Color
Hex	E3FBA3
RGB	227, 251, 163
RGB Percent	89%, 98%, 64%
CMY	0.1098, 0.0157, 0.3608
CMYK	0.10, 0.00, 0.35, 0.02
HSL	76°, 92%, 81%
HSV	76°, 35%, 98%
XYZ	72.7866, 87.9696, 47.7939
YIQ	233.7920, 13.9440, -32.4560

Conversions

Conversions Part 2

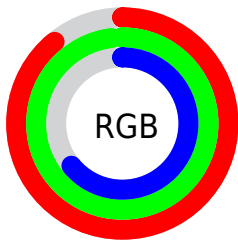
Format	Color
RYB	163, 251, 187
Decimal	14941091
CIELab	95.15, -21.64, 39.64
CIELCh	95, 45.160, 118.631
Yxy	87.9696, 0.3490, 0.4218
Android (android.graphics.Color)	4293131171 (0xFFE3FBA3)
YUV	233.7920, -34.9005, -5.9566
Hunter-Lab	93.7921, -25.6127, 35.4419

Details

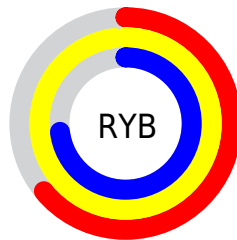
The XYZ color **72.7866, 87.9696, 47.7939** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **51.0068, 43.7266, 97.0235**, and the grayscale version is **78.2996, 82.3773, 89.7089**.

A 20% lighter version of the original color is **89.7862, 97.8945, 81.1811**, and **38.9008, 48.3673, 22.0374** is the 20% darker color. If you saturate the color by 10%, you get **68.6410, 86.0698, 37.0030**, and if you desaturate by 10%, it is **77.4689, 90.1000, 60.9433**.

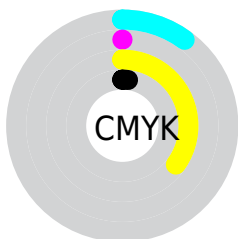
Distribution



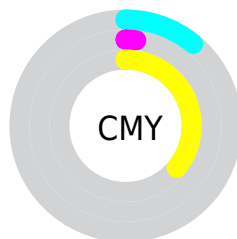
- Red (89%)
- Green (98%)
- Blue (64%)



- Red (64%)
- Yellow (98%)
- Blue (73%)



- Cyan (10%)
- Magenta (0%)
- Yellow (35%)
- Black (2%)





- Cyan (11%)
- Magenta (2%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.7866, 87.9696, 47.7939 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 72.7866, 87.9696, 47.7939 by changing the saturation by 10% instead.


 72.7866, 87.9696,
47.7939


 72.7866, 87.9696,
47.7939


459.3901,
521.4037, 394.4597

 54.0892, 66.2979,
33.3049


 122.1790,
144.5148, 88.2598

 38.9040, 48.5143,
22.0871


 153.6047,
180.1571, 115.0738

 26.8654, 34.2343,
13.7220


190.0039,
221.2251, 146.8331

 17.6082, 23.0737,
7.7910


231.7420,
268.1031, 183.9564

 10.7671, 14.6479,
3.8757

279.1843,
321.1756, 226.8622

 5.9766, 8.5727,
1.5574

332.6962,

 2.8714, 4.4635,

380.8269, 275.9690

0.2601

392.6430,
447.4415, 331.6953

■ 1.0861, 1.9361,
0.0000

■ 0.0134, 0.5699,
0.0000

■ 72.7866, 87.9696,
47.7939

■ 72.7866, 87.9696,
47.7939

■ 68.6410, 86.0698,
37.0030

■ 77.4689, 90.1000,
60.9433

■ 64.9980, 84.3779,
28.4250

■ 82.7065, 92.4596,
76.5739

■ 61.8295, 82.8854,
21.9074

■ 88.5254, 95.0618,
94.8066

■ 59.1011, 81.5786,
17.2755

■ 93.5644, 97.3623,
108.4692

■ 56.7734, 80.4415,
14.3262

■ 93.7891, 97.4781,
108.4797

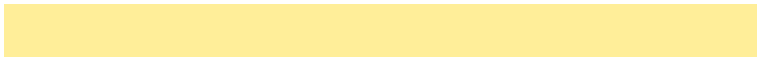
■ 54.7978, 79.4545,
12.8089

■ 53.9173, 79.0086,
12.4084

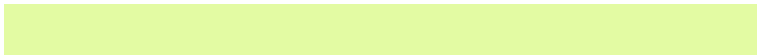
Harmonies

Analogous

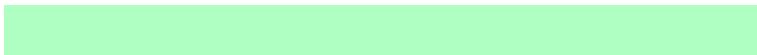
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.1785, 87.9696, 42.7830



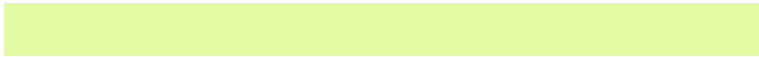
72.7866, 87.9696, 47.7939



65.0051, 87.9696, 64.6818

Triad

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



72.7866, 87.9696, 47.7939



71.8985, 87.9696, 166.0172



109.5480, 87.9696, 97.4104

Complementary

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



72.7866, 87.9696, 47.7939



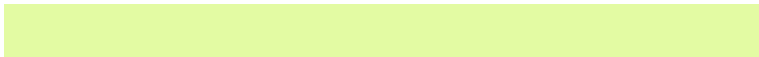
51.0068, 43.7266, 97.0235

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.



105.4697, 87.9696, 135.5341



72.7866, 87.9696, 47.7939



83.0490, 87.9696, 180.6826

Square

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



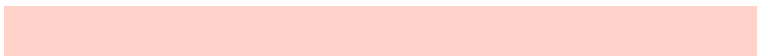
72.7866, 87.9696, 47.7939



64.5287, 87.9696, 132.0339



95.4618, 87.9696, 168.3618



106.1303, 87.9696, 66.8621

Rectangle

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



72.7866, 87.9696, 47.7939



62.5079, 87.9696, 83.0461



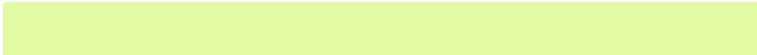
95.4618, 87.9696, 168.3618



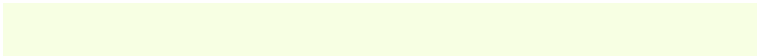
109.0015, 87.9696, 109.7619

Sweetspot

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



72.7888, 87.9735, 47.7958



88.0990, 96.9009, 86.6973



64.0551, 58.4710, 42.5615



18.6845, 20.6636, 18.0210



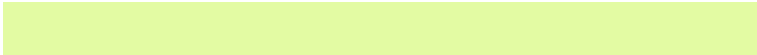
0.0000, 0.0000, 0.0000



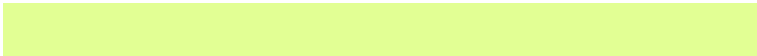
20.3446, 21.4041, 23.3091

Same Dimension

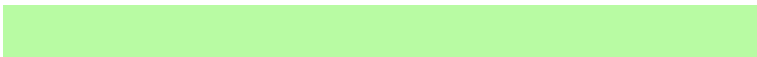
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.7888, 87.9735, 47.7958



72.3941, 89.7890, 41.4909



60.7665, 81.7758, 47.2331



18.2386, 19.9388, 18.3497



28.4868, 41.6037, 6.5289



2.7400, 3.9056, 0.6094

Inverse Universe

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



51.0068, 43.7266, 97.0235



46.7819, 37.7291, 99.4245



63.2960, 50.0619, 97.5986



16.7273, 16.8720, 21.7603



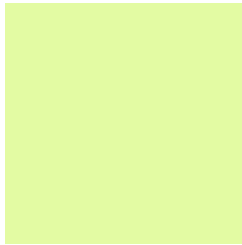
10.5420, 4.3773, 48.2628



1.0734, 0.4555, 4.4745

Previews

White Background



This preview shows how the XYZ color 72.7866, 87.9696, 47.7939 looks on a white background.

Color Contrast Check

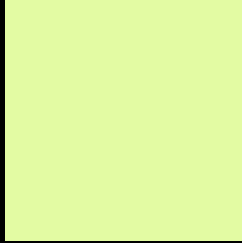
Large Text (above 18pt) WCAG AA × Fail

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 72.7866, 87.9696, 47.7939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

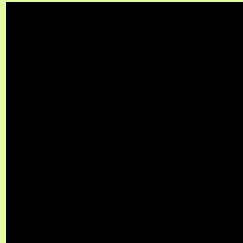
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

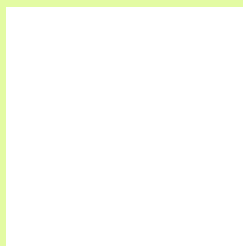
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.7866, 87.9696, 47.7939

Background



This preview shows how black text looks on a background with the XYZ color 72.7866, 87.9696, 47.7939.

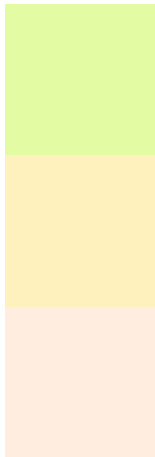


This preview shows how white text looks on a background with the XYZ color 72.7866, 87.9696,

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

72.7866, 87.9696, 47.7939

Protanopia

81.8806, 87.8447, 60.7843

Deuteranopia

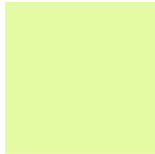
85.1338, 87.7368, 82.2599



Tritanopia

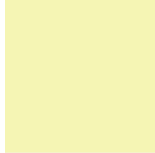
85.1453, 88.0654, 107.1184

Trichromacy



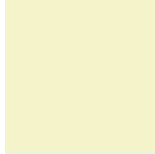
Original Color

72.7866, 87.9696, 47.7939



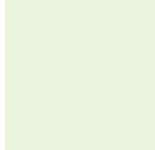
Protanomaly

78.5468, 88.0126, 56.0283



Deuteranomaly

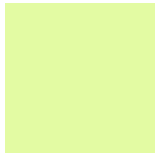
80.2494, 87.7307, 67.9625



Tritanomaly

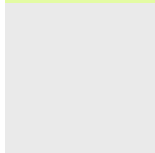
79.7964, 87.6375, 81.8172

Monochromacy



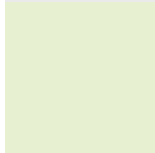
Original Color

72.7866, 87.9696, 47.7939



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.5003, 83.8632, 71.8824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.7866, 87.9696, 47.7939 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(227, 251, 163)` looks like.

```
.text, #text, p{  
    color:rgb(227, 251, 163)  
}
```

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(227, 251, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 251, 163) }
```

Border

The CSS property to change the border of an element to XYZ 72.7866, 87.9696, 47.7939 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(227, 251, 163) }
```


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

```
.border{ border-color:rgb(227, 251, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 251, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 251, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 251, 163);  
box-shadow:4px 4px 4px 4px rgb(227, 251,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 72.7866, 87.9696, 47.7939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 251, 163) }
```

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

```
.background{ background-color: rgb(227,  
251, 163) }
```

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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