

Converting Colors

XYZ(72.9185, 90.1430, 37.7353)

Have a look what the booklet for
XYZ(72.9185, 90.1430, 37.7353)
contains.

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Color

**XYZ(72.9806, 90.1780,
37.6044)**

Conversions

Conversions Part 1

Format	Color
Hex	E6FF8A
RGB	230, 255, 138
RGB Percent	90%, 100%, 54%
CMY	0.0980, 0.0000, 0.4588
CMYK	0.10, 0.00, 0.46, 0.00
HSL	73°, 100%, 77%
HSV	73°, 46%, 100%
XYZ	72.9806, 90.1780, 37.6044
YIQ	234.1870, 22.6570, -41.6870

Conversions

Conversions Part 2

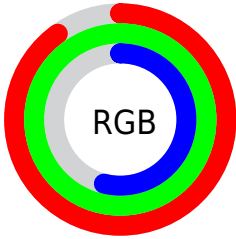
Format	Color
RYB	138, 255, 163
Decimal	15138698
CIELab	96.07, -25.21, 52.90
CIELCh	96, 58.603, 115.478
Yxy	90.1780, 0.3635, 0.4492
Android (android.graphics.Color)	4293328778 (0xFFE6FF8A)
YUV	234.1870, -47.4202, -3.6720
Hunter-Lab	94.9621, -29.0022, 42.9950

Details

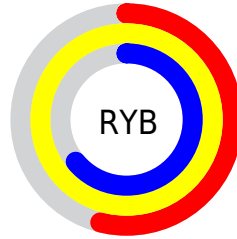
The XYZ color **72.9806, 90.1780, 37.6044** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **42.2439, 33.1848, 98.7866**, and the grayscale version is **78.6837, 82.7813, 90.1489**.

A 20% lighter version of the original color is **86.6256, 96.6303, 64.5379**, and **39.0674, 49.9283, 16.1724** is the 20% darker color. If you saturate the color by 10%, you get **69.6243, 88.6366, 28.9156**, and if you desaturate by 10%, it is **76.8254, 91.9211, 48.5807**.

Distribution



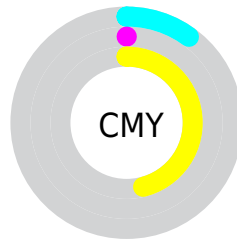
- Red (90%)
- Green (100%)
- Blue (54%)



- Red (54%)
- Yellow (100%)
- Blue (64%)



- Cyan (10%)
- Magenta (0%)
- Yellow (46%)
- Black (0%)





- Cyan (10%)
- Magenta (0%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.9806, 90.1780, 37.6044 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 72.9806, 90.1780, 37.6044 by changing the saturation by 10% instead.


 72.9806, 90.1780,
37.6044


 72.9806, 90.1780,
37.6044


460.0524,
528.6097, 351.1671


 54.2484, 68.1283,
25.3764


 122.4529,
147.5856, 72.6981

 39.0318, 50.0021,
16.1361


 153.9238,
183.7123, 96.4008

 26.9653, 35.4151,
9.4651

 190.3717,
225.3001, 124.7654

 17.6836, 23.9828,
4.9449

232.1618,
272.7334, 158.2106

 10.8214, 15.3209,
2.1568

279.6596,
326.3967, 197.1548

 6.0133, 9.0449,
0.6493

333.2304,

 2.8939, 4.7705,

386.6742, 242.0166

0.0000

393.2395,
453.9504, 293.2145

■ 1.0979, 2.1132,
0.0000

■ 0.0234, 0.6720,
0.0000

■ 72.9806, 90.1780,
37.6044

■ 72.9806, 90.1780,
37.6044

■ 69.6243, 88.6366,
28.9156

■ 76.8254, 91.9211,
48.5807

■ 66.7246, 87.2841,
22.3483

■ 81.1864, 93.8770,
61.9871

■ 64.2464, 86.1064,
17.7204

■ 86.0897, 96.0564,
77.9592

■ 62.1484, 85.0869,
14.8172

■ 91.5595, 98.4688,
96.6214

■ 60.3796, 84.2052, 95.0500, 100.0000,
13.3726 108.9000

■ 59.7162, 83.8699,
13.0411

Harmonies

Analogous

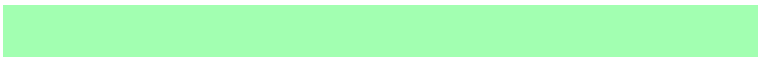
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.1943, 90.1780, 33.3411



72.9806, 90.1780, 37.6044



62.4933, 90.1780, 55.7623

Triad

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



72.9806, 90.1780, 37.6044



69.2206, 90.1780, 191.7215



120.7215, 90.1780, 105.4013

Complementary

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



72.9806, 90.1780, 37.6044



42.2439, 33.1848, 98.7866

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.



114.0677, 90.1780, 158.0193



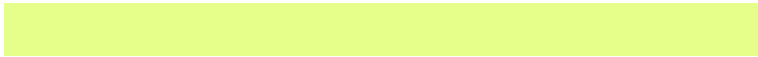
72.9806, 90.1780, 37.6044



83.2757, 90.1780, 216.8905

Square

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



72.9806, 90.1780, 37.6044



60.5222, 90.1780, 141.8515



99.8430, 90.1780, 202.9360



117.0690, 90.1780, 64.5534

Rectangle

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



72.9806, 90.1780, 37.6044



58.9211, 90.1780, 77.4476



99.8430, 90.1780, 202.9360



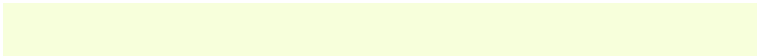
119.5948, 90.1780, 122.3366

Sweetspot

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



72.9808, 90.1781, 37.6056



87.0747, 96.4921, 81.2606



58.6430, 48.7258, 30.3602



18.3961, 20.5464, 16.5843



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

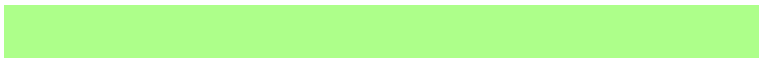
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.9808, 90.1781, 37.6056



69.9012, 88.7646, 29.5934



57.6039, 82.2510, 36.8860



19.1590, 20.8834, 19.1654



31.3337, 43.8912, 6.8204



3.1410, 4.3200, 0.6683

Inverse Universe

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



42.2439, 33.1848, 98.7866



35.7798, 25.4188, 97.6282



56.6242, 40.5981, 99.4595



17.3657, 17.5648, 22.7250



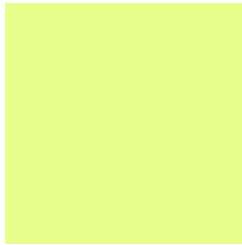
10.3407, 4.2413, 49.7082



1.0936, 0.4577, 4.8440

Previews

White Background



This preview shows how the XYZ color 72.9806, 90.1780, 37.6044 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 72.9806, 90.1780, 37.6044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

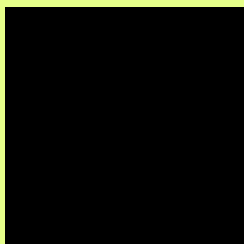
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

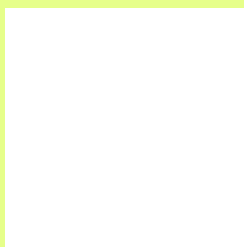
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.9806, 90.1780, 37.6044

Background



This preview shows how black text looks on a background with the XYZ color 72.9806, 90.1780, 37.6044.

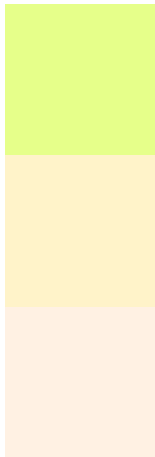


This preview shows how white text looks on a background with the XYZ color 72.9806, 90.1780,

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

72.9806, 90.1780, 37.6044

Protanopia

83.8332, 89.5782, 68.1302

Deuteranopia

86.5604, 89.7166, 85.4279



Tritanopia

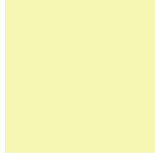
87.1104, 89.9574, 107.3800

Trichromacy



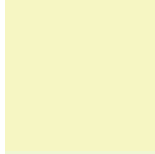
Original Color

72.9806, 90.1780, 37.6044



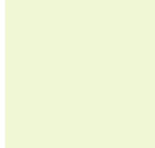
Protanomaly

79.3027, 89.3287, 55.1819



Deuteranomaly

80.8121, 89.4445, 64.6350



Tritanomaly

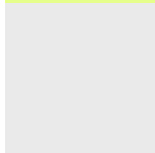
80.7410, 89.6257, 75.3313

Monochromacy



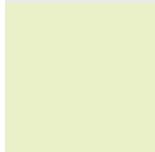
Original Color

72.9806, 90.1780, 37.6044



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.6652, 84.9514, 66.4421

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.9806, 90.1780, 37.6044 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(230, 255, 138)` looks like.

```
.text, #text, p{  
    color:rgb(230, 255, 138)  
}
```

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(230, 255, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 138) }
```

Border

The CSS property to change the border of an element to XYZ 72.9806, 90.1780, 37.6044 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(230, 255, 138) }
```


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

```
.border{ border-color:rgb(230, 255, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 255, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 138);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 72.9806, 90.1780, 37.6044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 255, 138) }
```

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

```
.background{ background-color: rgb(230,  
255, 138) }
```

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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