

Converting Colors

XYZ(77.2988, 100.0000,
33.4919)

Have a look what the booklet for
XYZ(77.2988, 100.0000, 33.4919)
contains.

XYZ(72.2278, 89.9141, 31.9607)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(72.2278, 89.9141,
31.9607)**

Conversions

Conversions Part 1

Format	Color
Hex	E7FF7A
RGB	231, 255, 122
RGB Percent	91%, 100%, 48%
CMY	0.0941, 0.0000, 0.5216
CMYK	0.09, 0.00, 0.52, 0.00
HSL	71°, 100%, 74%
HSV	71°, 52%, 100%
XYZ	72.2278, 89.9141, 31.9607
YIQ	232.6620, 28.3890, -46.4510

Conversions

Conversions Part 2

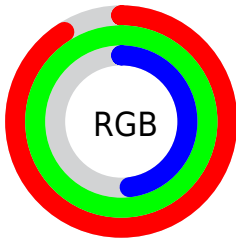
Format	Color
R _Y B	122, 255, 146
Decimal	15204218
CIE Lab	95.96, -26.32, 60.12
CIE LCh	96, 65.627, 113.642
Yxy	89.9141, 0.3721, 0.4632
Android (android.graphics.Color)	4293394298 (0xFFE7FF7A)
YUV	232.6620, -54.5564, -1.4576
Hunter-Lab	94.8230, -29.9748, 46.3921

Details

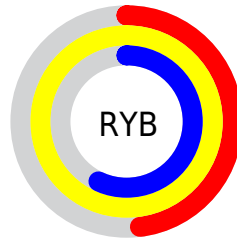
The XYZ color **72.2278, 89.9141, 31.9607** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **36.8648, 27.2514, 97.9248**, and the grayscale version is **77.5793, 81.6195, 88.8836**.

A 20% lighter version of the original color is **84.9358, 95.9543, 55.6394**, and **38.4711, 49.6898, 13.0323** is the 20% darker color. If you saturate the color by 10%, you get **69.3835, 88.6070, 24.6343**, and if you desaturate by 10%, it is **75.5259, 91.4071, 41.4742**.

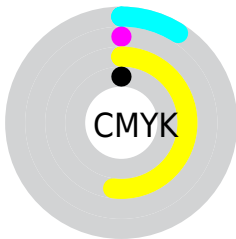
Distribution



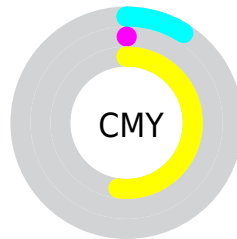
- Red (91%)
- Green (100%)
- Blue (48%)



- Red (48%)
- Yellow (100%)
- Blue (57%)



- Cyan (9%)
- Magenta (0%)
- Yellow (52%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.2278, 89.9141, 31.9607 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 72.2278, 89.9141, 31.9607 by changing the saturation by 10% instead.


 72.2278, 89.9141,
31.9607

 72.2278, 89.9141,
31.9607


457.4794,
527.7514, 325.4274


 53.6309, 67.9094,
21.0669


 121.3894,
147.2191, 63.8467

 38.5362, 49.8240,
12.9812


 152.6848,
183.2881, 85.6759

 26.5782, 35.2736,
7.2850


 188.9438,
224.8141, 111.9874

 17.3916, 23.8737,
3.5598

230.5317,
272.1814, 143.1997

 10.6111, 15.2400,
1.3871

277.8138,
325.7743, 179.7313

 5.8713, 8.9880,
0.1316

331.1556,

 2.8069, 4.7333,

385.9774, 222.0007

0.0000

390.9224,
453.1750, 270.4266

■ 1.0525, 2.0917,
0.0000

■ 0.0000, 0.6599,
0.0000

■ 72.2278, 89.9141,
31.9607

■ 72.2278, 89.9141,
31.9607

■ 69.3835, 88.6070,
24.6343

■ 75.5259, 91.4071,
41.4742

■ 66.9592, 87.4724,
19.3166

■ 79.3073, 93.0981,
53.3269

■ 64.9165, 86.4949,
15.8075

■ 83.5993, 94.9979,
67.6615

■ 63.2088, 85.6558,
13.8638

■ 88.4270, 97.1165,
84.6084

■ 62.0496, 85.0728,
13.1503

■ 93.8136, 99.4634,
104.2889

95.0500, 100.0000,
108.9000

Harmonies

Analogous

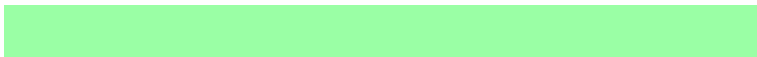
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.3802, 89.9141, 28.4182



72.2278, 89.9141, 31.9607



60.3456, 89.9141, 49.8353

Triad

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



72.2278, 89.9141, 31.9607



66.4130, 89.9141, 202.3389



125.0053, 89.9141, 109.3808

Complementary

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



72.2278, 89.9141, 31.9607



36.8648, 27.2514, 97.9248

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.



116.7256, 89.9141, 169.8281



72.2278, 89.9141, 31.9607



81.6574, 89.9141, 234.4445

Square

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



72.2278, 89.9141, 31.9607



57.3354, 89.9141, 143.6502



100.2184, 89.9141, 220.8165



121.5435, 89.9141, 63.0703

Rectangle

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



72.2278, 89.9141, 31.9607



56.1823, 89.9141, 72.3856



100.2184, 89.9141, 220.8165



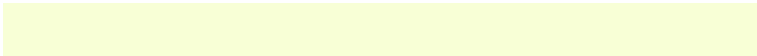
123.4694, 89.9141, 128.8021

Sweetspot

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



72.2279, 89.9141, 31.9619



86.5061, 96.2755, 77.7760



54.7521, 42.6632, 23.7626



18.3029, 20.5135, 15.8993



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.



72.2279, 89.9141, 31.9619



69.1630, 88.5047, 24.1100



55.0695, 81.0686, 31.1589



19.2208, 20.9153, 19.1683



32.5387, 44.5124, 6.8768



3.2482, 4.3753, 0.6733

Inverse Universe

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



36.8648, 27.2514, 97.9248



30.3011, 19.5239, 96.7792



51.7789, 34.9399, 98.6228



17.3087, 17.5353, 22.7223



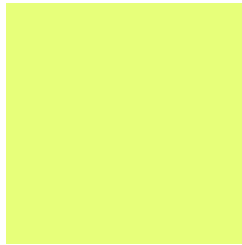
10.1082, 4.1215, 49.6973



1.0631, 0.4420, 4.8425

Previews

White Background



This preview shows how the XYZ color 72.2278, 89.9141, 31.9607 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 72.2278, 89.9141, 31.9607 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 72.2278, 89.9141, 31.9607

Background



This preview shows how black text looks on a background with the XYZ color 72.2278, 89.9141, 31.9607.

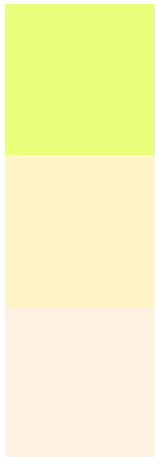


This preview shows how white text looks on a background with the XYZ color 72.2278, 89.9141,

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

72.2278, 89.9141, 31.9607

Protanopia

83.5994, 89.4847, 66.8989

Deuteranopia

86.4228, 89.6616, 84.7030



Tritanopia

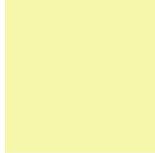
87.5113, 89.7234, 107.3138

Trichromacy



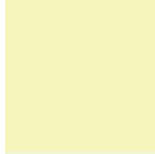
Original Color

72.2278, 89.9141, 31.9607



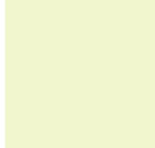
Protanomaly

78.6175, 89.0546, 51.5738



Deuteranomaly

80.0389, 89.1352, 60.5633



Tritanomaly

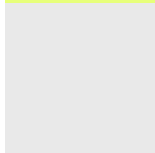
80.4939, 89.1173, 71.9904

Monochromacy



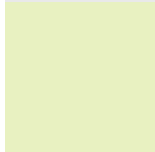
Original Color

72.2278, 89.9141, 31.9607



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

74.3596, 83.9167, 62.7304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.2278, 89.9141, 31.9607 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(231, 255, 122)` looks like.

```
.text, #text, p{  
    color:rgb(231, 255, 122)  
}
```

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(231, 255, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 255, 122) }
```

Border

The CSS property to change the border of an element to XYZ 72.2278, 89.9141, 31.9607 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(231, 255, 122) }
```


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

```
.border{ border-color:rgb(231, 255, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 255, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 255, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 255, 122);  
box-shadow:4px 4px 4px 4px rgb(231, 255,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 72.2278, 89.9141, 31.9607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 255, 122) }
```

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

```
.background{ background-color: rgb(231,  
255, 122) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor