

Converting Colors

XYZ(86.5556, 117.3015,
46.5016)

Have a look what the booklet for
XYZ(86.5556, 117.3015, 46.5016)
contains.

XYZ(72.8634, 90.0208, 41.9692)	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(72.8634, 90.0208,
41.9692)**

Conversions

Conversions Part 1

Format	Color
Hex	E3FF95
RGB	227, 255, 149
RGB Percent	89%, 100%, 58%
CMY	0.1098, 0.0000, 0.4157
CMYK	0.11, 0.00, 0.42, 0.00
HSL	76°, 100%, 79%
HSV	76°, 42%, 100%
XYZ	72.8634, 90.0208, 41.9692
YIQ	234.5440, 17.3380, -38.9020

Conversions

Conversions Part 2

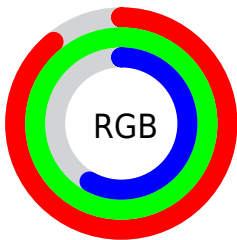
Format	Color
RYB	149, 255, 177
Decimal	14942101
CIELab	96.01, -25.17, 47.56
CIELCh	96, 53.812, 117.893
Yxy	90.0208, 0.3557, 0.4394
Android (android.graphics.Color)	4293132181 (0xFFE3FF95)
YUV	234.5440, -42.1732, -6.6161
Hunter-Lab	94.8793, -28.9581, 40.1890

Details

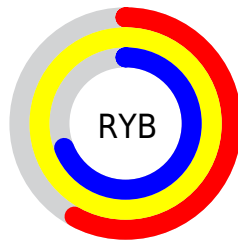
The XYZ color **72.8634, 90.0208, 41.9692** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **46.9300, 38.0633, 99.4812**, and the grayscale version is **78.9193, 83.0293, 90.4189**.

A 20% lighter version of the original color is **87.8991, 97.1396, 71.2438**, and **38.8830, 49.7787, 18.6252** is the 20% darker color. If you saturate the color by 10%, you get **68.9620, 88.2196, 32.2978**, and if you desaturate by 10%, it is **77.2943, 92.0435, 53.9943**.

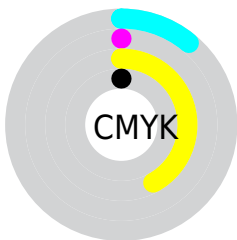
Distribution



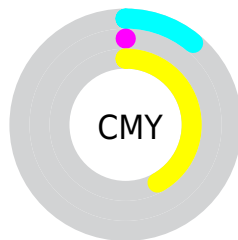
- Red (89%)
- Green (100%)
- Blue (58%)



- Red (58%)
- Yellow (100%)
- Blue (69%)



- Cyan (11%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.8634, 90.0208, 41.9692 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 72.8634, 90.0208, 41.9692 by changing the saturation by 10% instead.


 72.8634, 90.0208,
41.9692


 72.8634, 90.0208,
41.9692


459.6524,
528.0985, 370.1511

 54.1523, 67.9979,
28.7518


 122.2874,
147.3673, 79.4226

 38.9546, 49.8960,
18.6492


 153.7311,
183.4597, 104.4957

 26.9049, 35.3308,
11.2428


190.1495,
225.0106, 134.3577

 17.6381, 23.9178,
6.1142

231.9082,
272.4046, 169.4272

 10.7886, 15.2727,
2.8447

279.3725,
326.0260, 210.1228

 5.9911, 9.0110,
1.0159

332.9077,

 2.8803, 4.7483,

386.2592, 256.8629

0.0000

392.8792,
453.4886, 310.0662

■ 1.0908, 2.1004,
0.0000

■ 0.0174, 0.6648,
0.0000

■ 72.8634, 90.0208,
41.9692

■ 72.8634, 90.0208,
41.9692

■ 68.9620, 88.2196,
32.2978

■ 77.2943, 92.0435,
53.9943

■ 65.5588, 86.6272,
24.8214

■ 82.2814, 94.2983,
68.5101

■ 62.6203, 85.2300,
19.3679

■ 87.8506, 96.7958,
85.6477

■ 60.1076, 84.0124,
15.7376

■ 94.0257, 99.5455,
105.5278

■ 57.9742, 82.9556, 95.0500, 100.0000,
13.6906 108.9000

■ 56.4105, 82.1657,
12.8864

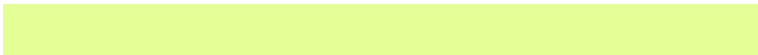
Harmonies

Analogous

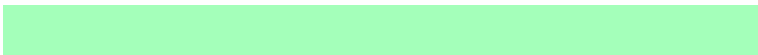
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.6185, 90.0208, 36.8193



72.8634, 90.0208, 41.9692



63.5435, 90.0208, 60.5980

Triad

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



72.8634, 90.0208, 41.9692



71.2384, 90.0208, 185.0948



117.4562, 90.0208, 101.0616

Complementary

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



72.8634, 90.0208, 41.9692



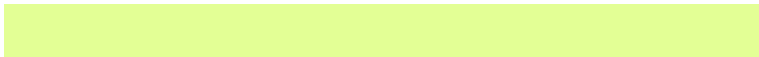
46.9300, 38.0633, 99.4812

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.



112.1568, 90.0208, 148.3371



72.8634, 90.0208, 41.9692



84.5142, 90.0208, 204.8186

Square

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



72.8634, 90.0208, 41.9692



62.6845, 90.0208, 141.5634



99.6566, 90.0208, 189.7367



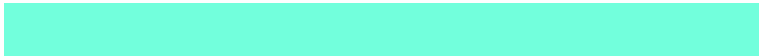
113.4218, 90.0208, 64.4651

Rectangle

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



72.8634, 90.0208, 41.9692



60.5258, 90.0208, 81.8159



99.6566, 90.0208, 189.7367



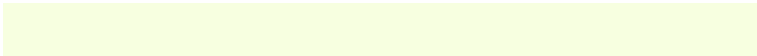
116.6957, 90.0208, 116.2277

Sweetspot

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



72.8637, 90.0210, 41.9705



87.5973, 96.6826, 84.8505



62.0930, 54.2858, 35.6406



18.5872, 20.6215, 17.6528



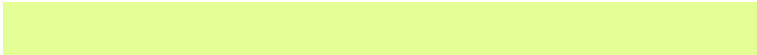
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

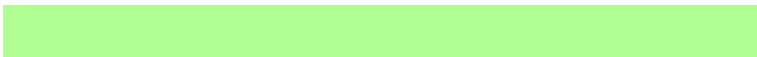
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.8637, 90.0210, 41.9705



69.5398, 88.4878, 33.6647



58.9772, 82.8622, 41.3206



19.0655, 20.8352, 19.1611



29.6241, 43.0098, 6.7404



2.9875, 4.2409, 0.6611

Inverse Universe

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



46.9300, 38.0633, 99.4812



40.4383, 30.1240, 98.2909



60.9519, 45.2918, 100.1374



17.4530, 17.6097, 22.7291



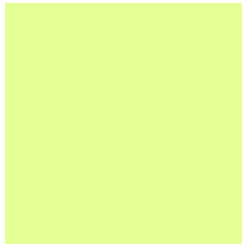
10.7727, 4.4640, 49.7284



1.1466, 0.4850, 4.8465

Previews

White Background



This preview shows how the XYZ color 72.8634, 90.0208, 41.9692 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 72.8634, 90.0208, 41.9692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

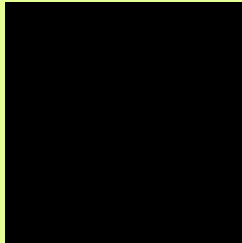
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.8634, 90.0208, 41.9692

Background



This preview shows how black text looks on a background with the XYZ color 72.8634, 90.0208, 41.9692.



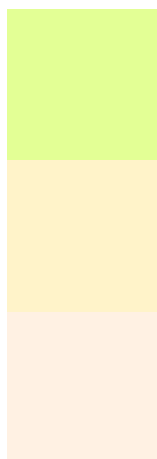
This preview shows how white text looks on a background with the XYZ color 72.8634, 90.0208,

41.9692.

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

72.8634, 90.0208, 41.9692

Protanopia

83.8332, 89.5782, 68.1302

Deuteranopia

86.5604, 89.7166, 85.4279



Tritanopia

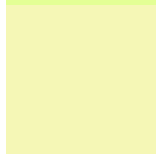
86.4201, 89.6015, 107.3477

Trichromacy



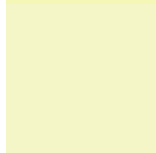
Original Color

72.8634, 90.0208, 41.9692



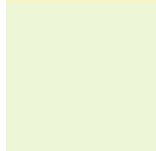
Protanomaly

79.3605, 89.3114, 57.3121



Deuteranomaly

80.9208, 89.4475, 67.0330



Tritanomaly

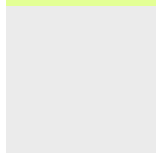
80.5805, 89.4839, 77.9908

Monochromacy



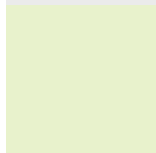
Original Color

72.8634, 90.0208, 41.9692



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

75.9299, 85.0197, 69.5352

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.8634, 90.0208, 41.9692 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, 255, 149)` looks like.

```
.text, #text, p{  
    color:rgb(227, 255, 149)  
}
```

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, 255, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 149) }
```

Border

The CSS property to change the border of an element to XYZ 72.8634, 90.0208, 41.9692 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, 255, 149) }
```


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

```
.border{ border-color:rgb(227, 255, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 255, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 255, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 255, 149);  
box-shadow:4px 4px 4px 4px rgb(227, 255,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 72.8634, 90.0208, 41.9692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 255, 149) }
```

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

```
.background{ background-color: rgb(227,  
255, 149) }
```

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