

# Converting Colors

XYZ(72.7717, 89.9434, 43.3258)

Have a look what the booklet for XYZ(72.7717, 89.9434, 43.3258) contains.

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# Color

**XYZ(72.7915, 89.9557,  
43.2324)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2FF98
RGB	226, 255, 152
RGB Percent	89%, 100%, 60%
CMY	0.1137, 0.0000, 0.4039
CMYK	0.11, 0.00, 0.40, 0.00
HSL	77°, 100%, 80%
HSV	77°, 40%, 100%
XYZ	72.7915, 89.9557, 43.2324
YIQ	234.5870, 15.7790, -38.1810

# Conversions

## Conversions Part 2

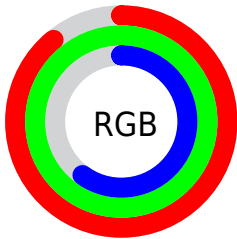
<b>Format</b>	<b>Color</b>
<b>RYB</b>	152, 255, 181
Decimal	14876568
CIELab	95.98, -25.21, 46.07
CIELCh	96, 52.514, 118.687
Yxy	89.9557, 0.3534, 0.4367
Android (android.graphics.Color)	4293066648 (0xFFE2FF98)
YUV	234.5870, -40.7154, -7.5308
Hunter-Lab	94.8450, -28.9838, 39.3658

# Details

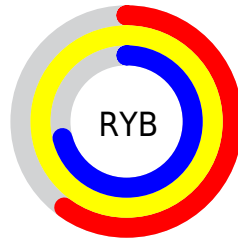
The XYZ color **72.7915, 89.9557, 43.2324** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **48.3354, 39.5015, 99.6847**, and the grayscale version is **78.9421, 83.0533, 90.4450**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **38.8084, 49.7240, 19.3567** is the 20% darker color. If you saturate the color by 10%, you get **68.7178, 88.0716, 33.2869**, and if you desaturate by 10%, it is **77.4091, 92.0684, 55.5493**.

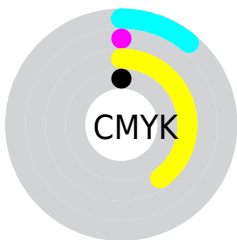
# Distribution



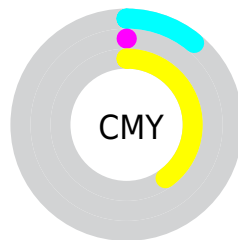
- Red (89%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (71%)



- Cyan (11%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)




- Cyan (11%)
- Magenta (0%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.7915, 89.9557, 43.2324 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 72.7915, 89.9557, 43.2324 by changing the saturation by 10% instead.



 72.7915, 89.9557,  
43.2324


 72.7915, 89.9557,  
43.2324


459.4069,  
527.8867, 375.5159

 54.0933, 67.9439,  
29.7348


 122.1859,  
147.2769, 81.3516

 38.9072, 49.8521,  
19.3870


 153.6128,  
183.3550, 106.8101

 26.8679, 35.2959,  
11.7706


190.0132,  
224.8907, 137.0928

 17.6101, 23.8909,  
6.4670


231.7526,  
272.2684, 172.6181

 10.7684, 15.2527,  
3.0578

279.1964,  
325.8725, 213.8045

 5.9775, 8.9969,  
1.1242

332.7097,

 2.8719, 4.7392,

386.0873, 261.0705

0.0000

392.6581,  
453.2972, 314.8348

■ 1.0864, 2.0951,  
0.0000

■ 0.0137, 0.6618,  
0.0000

■ 72.7915, 89.9557,  
43.2324

■ 72.7915, 89.9557,  
43.2324

■ 68.7178, 88.0716,  
33.2869

■ 77.4091, 92.0684,  
55.5493

■ 65.1570, 86.4033,  
25.5560

■ 82.5973, 94.4202,  
70.3733

■ 62.0756, 84.9375,  
19.8701

■ 88.3818, 97.0218,  
87.8342

■ 59.4354, 83.6586,  
16.0331

94.7866, 99.8827,  
108.0518

■ 57.1907, 82.5483, 95.0500, 100.0000,  
13.8110 108.9000

■ 55.3366, 81.6121,  
12.8362

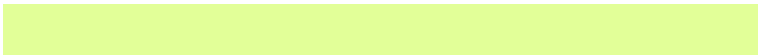
# Harmonies

## Analogous

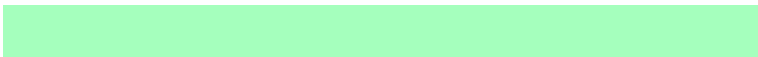
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.1411, 89.9557, 37.8020



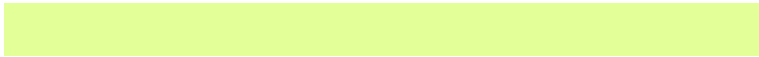
72.7915, 89.9557, 43.2324



63.8055, 89.9557, 62.0044

# Triad

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



72.7915, 89.9557, 43.2324



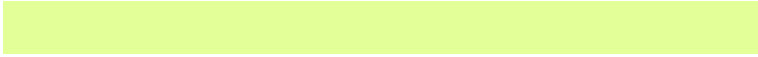
71.8013, 89.9557, 183.3250



116.5446, 89.9557, 99.7889

# Complementary

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



72.7915, 89.9557, 43.2324



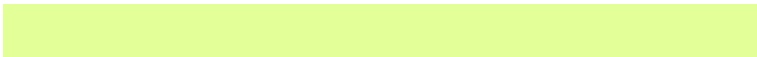
48.3354, 39.5015, 99.6847

# 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.



111.6272, 89.9557, 145.6318



72.7915, 89.9557, 43.2324



84.8624, 89.9557, 201.5461

# Square

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



72.7915, 89.9557, 43.2324



63.2810, 89.9557, 141.5393



99.6082, 89.9557, 186.1200

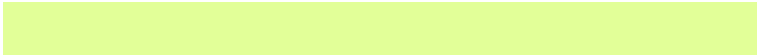


112.3926, 89.9557, 64.3721

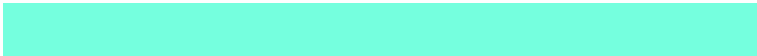


# Rectangle

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



72.7915, 89.9557, 43.2324



60.9510, 89.9557, 83.0900



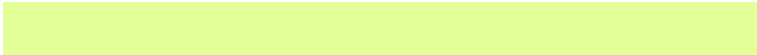
99.6082, 89.9557, 186.1200



115.8882, 89.9557, 114.4760

# Sweetspot

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



72.7918, 89.9559, 43.2337



87.4098, 96.5859, 84.8417



63.1219, 55.9555, 37.1806



18.5429, 20.5987, 17.6508



0.0000, 0.0000, 0.0000

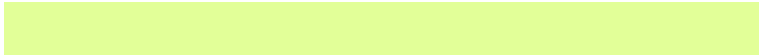


20.3446, 21.4041, 23.3091

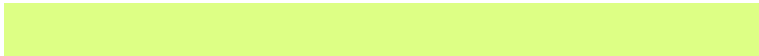


# Same Dimension

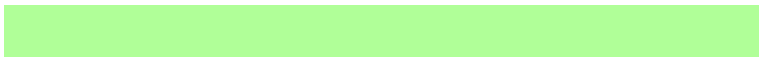
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.7918, 89.9559, 43.2337



69.6441, 88.5020, 35.4576



59.3403, 83.0213, 42.6042



19.0334, 20.8187, 19.1596



29.0679, 42.7231, 6.7144



2.9371, 4.2149, 0.6588



# Inverse Universe

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



48.3354, 39.5015, 99.6847



42.3325, 32.1081, 98.5741



62.2232, 46.6609, 100.3347



17.4832, 17.6253, 22.7305



10.9447, 4.5527, 49.7365



1.1668, 0.4954, 4.8474



# Previews

## White Background



This preview shows how the XYZ color 72.7915, 89.9557, 43.2324 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

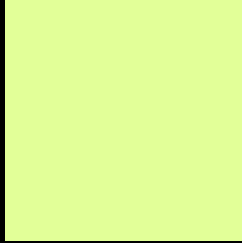
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.7915, 89.9557, 43.2324 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

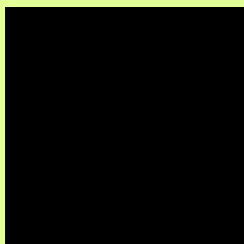
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

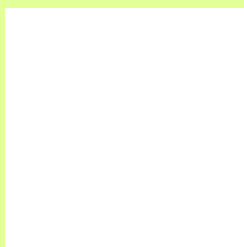
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.7915, 89.9557, 43.2324**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.7915, 89.9557, 43.2324.



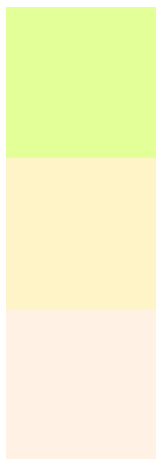
This preview shows how white text looks on a background with the XYZ color 72.7915, 89.9557,



# 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

72.7915, 89.9557, 43.2324

### Protanopia

83.7159, 89.5313, 67.5126

### Deuteranopia

86.5604, 89.7166, 85.4279



## Tritanopia

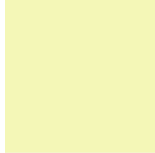
86.0778, 89.4250, 107.3317

# Trichromacy



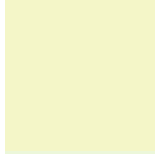
## Original Color

72.7915, 89.9557, 43.2324



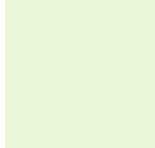
## Protanomaly

79.1162, 89.1735, 57.8421



## Deuteranomaly

80.6893, 89.3148, 67.6303



## Tritanomaly

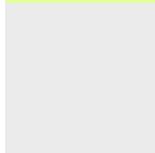
80.5077, 89.4164, 79.3455

# Monochromacy



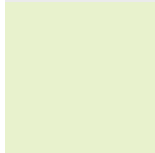
## Original Color

72.7915, 89.9557, 43.2324



## Achromatopsia

78.9647, 83.0770, 90.4708



## Achromatomaly

76.0503, 85.0678, 70.1691

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.7915, 89.9557, 43.2324 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(226, 255, 152)` looks like.

```
.text, #text, p{  
    color:rgb(226, 255, 152)  
}
```

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(226, 255, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 255, 152) }
```

## Border

The CSS property to change the border of an element to XYZ 72.7915, 89.9557, 43.2324 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(226, 255, 152) }
```



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

```
.border{ border-color:rgb(226, 255, 152) }
```

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

Here you see how a box with a 4 pixel rgb(226, 255, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 255, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 255, 152);  
box-shadow:4px 4px 4px 4px rgb(226, 255,  
152) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.7915, 89.9557, 43.2324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 255, 152) }
```

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

```
.background{ background-color: rgb(226,  
255, 152) }
```

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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