

Converting Colors

XYZ(72.5760, 88.6376, 43.4210)

Have a look what the booklet for
XYZ(72.5760, 88.6376, 43.4210)
contains.

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Color

**XYZ(72.5551, 88.4147,
43.3787)**

Conversions

Conversions Part 1

Format	Color
Hex	E4FC99
RGB	228, 252, 153
RGB Percent	89%, 99%, 60%
CMY	0.1059, 0.0117, 0.4000
CMYK	0.10, 0.00, 0.39, 0.01
HSL	75°, 94%, 79%
HSV	75°, 39%, 99%
XYZ	72.5551, 88.4147, 43.3787
YIQ	233.5380, 17.4750, -35.8770

Conversions

Conversions Part 2

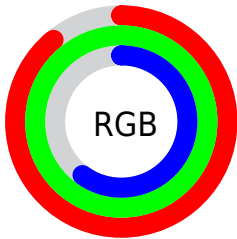
Format	Color
RYB	153, 252, 177
Decimal	15006873
CIELab	95.34, -22.93, 44.79
CIELCh	95, 50.322, 117.110
Yxy	88.4147, 0.3551, 0.4327
Android (android.graphics.Color)	4293196953 (0xFFE4FC99)
YUV	233.5380, -39.7052, -4.8568
Hunter-Lab	94.0291, -26.8160, 38.4679

Details

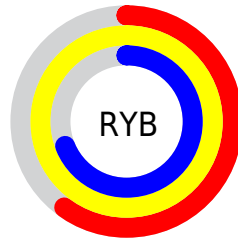
The XYZ color **72.5551, 88.4147, 43.3787** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **47.0968, 39.1602, 97.1769**, and the grayscale version is **78.1407, 82.2101, 89.5268**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **38.6099, 48.6082, 19.4040** is the 20% darker color. If you saturate the color by 10%, you get **68.7860, 86.6901, 33.4614**, and if you desaturate by 10%, it is **76.8367, 90.3583, 55.6179**.

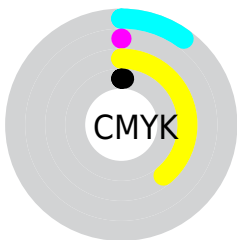
Distribution



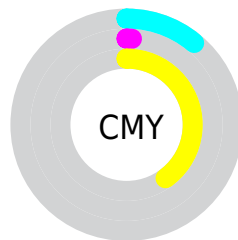
- Red (89%)
- Green (99%)
- Blue (60%)



- Red (60%)
- Yellow (99%)
- Blue (69%)



- Cyan (10%)
- Magenta (0%)
- Yellow (39%)
- Black (1%)





- Cyan (11%)
- Magenta (1%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.5551, 88.4147, 43.3787 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 72.5551, 88.4147, 43.3787 by changing the saturation by 10% instead.


 72.5551, 88.4147,
43.3787


 72.5551, 88.4147,
43.3787


458.5991,
522.8603, 376.1337

 53.8993, 66.6666,
29.8488


 121.8519,
145.1344, 81.5745

 38.7515, 48.8137,
19.4727


 153.2237,
180.8747, 107.0774

 26.7463, 34.4717,
11.8321


189.5649,
222.0479, 137.4085

 17.5184, 23.2562,
6.5083

231.2409,
269.0383, 172.9861

 10.7024, 14.7828,
3.0828

278.6169,
322.2304, 214.2289

 5.9329, 8.6671,
1.1371

332.0584,

 2.8446, 4.5247,

382.0085, 261.5554

0.0000

391.9306,
448.7570, 315.3842

■ 1.0721, 1.9712,
0.0000

■ 0.0016, 0.5906,
0.0000

■ 72.5551, 88.4147,
43.3787

■ 72.5551, 88.4147,
43.3787

■ 68.7860, 86.6901,
33.4614

■ 76.8367, 90.3583,
55.6179

■ 65.4942, 85.1612,
25.7132

■ 81.6504, 92.5197,
70.3074

■ 62.6501, 83.8192,
19.9724

■ 87.0226, 94.9126,
87.5731

■ 60.2175, 82.6494,
16.0517

■ 92.9758, 97.5461,
107.5305

■ 58.1535, 81.6346,
13.7289

■ 94.1023, 98.1046,
108.5841

■ 56.3929, 80.7487,
12.6655

■ 56.2732, 80.6881,
12.6085

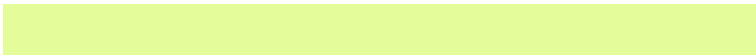
Harmonies

Analogous

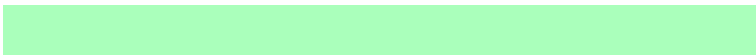
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.3754, 88.4147, 38.7235



72.5551, 88.4147, 43.3787



63.7341, 88.4147, 60.7304

Triad

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



72.5551, 88.4147, 43.3787



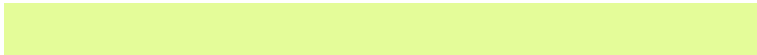
70.4819, 88.4147, 174.8660



113.2995, 88.4147, 100.1365

Complementary

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



72.5551, 88.4147, 43.3787



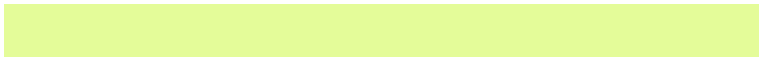
47.0968, 39.1602, 97.1769

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.



108.2463, 88.4147, 143.5121



72.5551, 88.4147, 43.3787



82.7097, 88.4147, 193.4081

Square

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



72.5551, 88.4147, 43.3787



62.6320, 88.4147, 135.0558



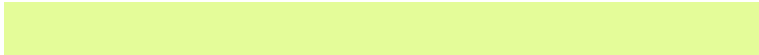
96.6673, 88.4147, 180.6106



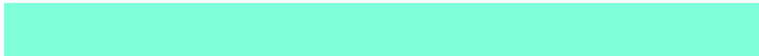
109.8319, 88.4147, 65.7246

Rectangle

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



72.5551, 88.4147, 43.3787



60.8101, 88.4147, 80.3475



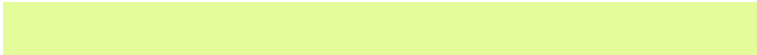
96.6673, 88.4147, 180.6106



112.5293, 88.4147, 114.1651

Sweetspot

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



72.5573, 88.4186, 43.3806



87.8316, 96.8034, 84.8615



61.4428, 54.0879, 37.3399



18.6425, 20.6500, 17.6554



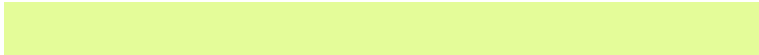
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

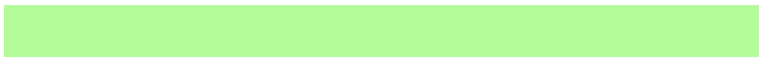
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.5573, 88.4186, 43.3806



71.4887, 89.4324, 36.4714



59.2462, 81.5565, 42.7576



18.2921, 19.9663, 18.3522



29.4513, 42.1010, 6.5741



2.8225, 3.9481, 0.6133

Inverse Universe

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



47.0968, 39.1602, 97.1769



42.0883, 32.5048, 98.6635



60.2037, 45.9171, 97.7903



16.6771, 16.8462, 21.7580



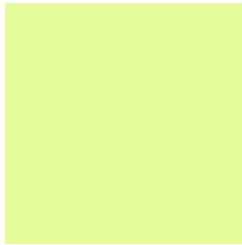
10.2685, 4.2363, 48.2500



1.0421, 0.4393, 4.4730

Previews

White Background



This preview shows how the XYZ color 72.5551, 88.4147, 43.3787 looks on a white background.

Color Contrast Check

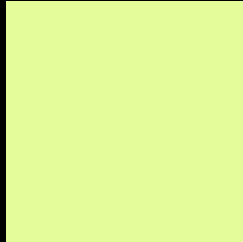
Large Text (above 18pt) WCAG AA × Fail

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 72.5551, 88.4147, 43.3787 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 72.5551, 88.4147, 43.3787

Background



This preview shows how black text looks on a background with the XYZ color 72.5551, 88.4147, 43.3787.

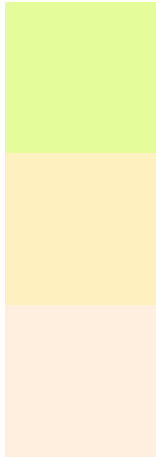


This preview shows how white text looks on a background with the XYZ color 72.5551, 88.4147,

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

72.5551, 88.4147, 43.3787

Protanopia

82.0993, 87.9322, 61.9357

Deuteranopia

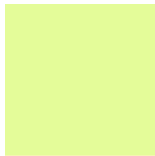
85.4258, 88.3207, 82.3572



Tritanopia

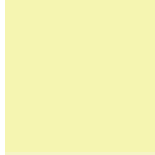
85.4857, 88.2409, 107.1344

Trichromacy



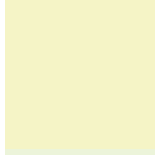
Original Color

72.5551, 88.4147, 43.3787



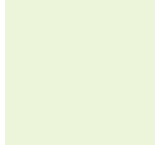
Protanomaly

78.2444, 87.8916, 54.4358



Deuteranomaly

80.1999, 88.1911, 66.2217



Tritanomaly

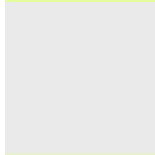
79.5976, 87.5962, 79.0422

Monochromacy



Original Color

72.5551, 88.4147, 43.3787



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.7535, 84.4742, 70.0701

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.5551, 88.4147, 43.3787 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(228, 252, 153)` looks like.

```
.text, #text, p{  
    color:rgb(228, 252, 153)  
}
```

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(228, 252, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 252, 153) }
```

Border

The CSS property to change the border of an element to XYZ 72.5551, 88.4147, 43.3787 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(228, 252, 153) }
```


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

```
.border{ border-color:rgb(228, 252, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 252, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 252, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 252, 153);  
box-shadow:4px 4px 4px 4px rgb(228, 252,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 72.5551, 88.4147, 43.3787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 252, 153) }
```

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

```
.background{ background-color: rgb(228,  
252, 153) }
```

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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