

Converting Colors

XYZ(70.7336, 73.4556, 88.4473)

Have a look what the booklet for
XYZ(70.7336, 73.4556, 88.4473)
contains.

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Color

**XYZ(70.7914, 73.5552,
88.3084)**

Conversions

Conversions Part 1

Format	Color
Hex	DDDEEA
RGB	221, 222, 234
RGB Percent	87%, 87%, 92%
CMY	0.1333, 0.1294, 0.0823
CMYK	0.06, 0.05, 0.00, 0.08
HSL	235°, 24%, 89%
HSV	235°, 6%, 92%
XYZ	70.7914, 73.5552, 88.3084
YIQ	223.0690, -4.4480, 3.5200

Conversions

Conversions Part 2

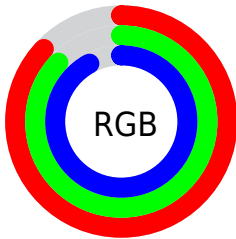
Format	Color
R _Y B	221, 222, 234
Decimal	14540522
CIE Lab	88.71, 1.88, -5.98
CIE LCh	89, 6.266, 287.503
Yxy	73.5552, 0.3043, 0.3162
Android (android.graphics.Color)	4292730602 (0xFFDDDEEA)
YUV	223.0690, 5.3890, -1.8145
Hunter-Lab	85.7643, -2.7505, -1.0137

Details

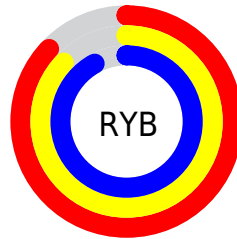
The XYZ color **70.7914, 73.5552, 88.3084** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **76.1221, 80.9902, 80.0286**, and the grayscale version is **70.1553, 73.8088, 80.3778**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.5805, 38.9588, 47.6586** is the 20% darker color. If you saturate the color by 10%, you get **58.7849, 59.3913, 86.2084**, and if you desaturate by 10%, it is **84.5298, 89.7064, 90.7029**.

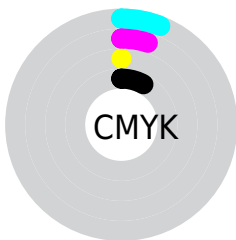
Distribution



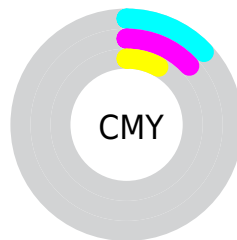
- Red (87%)
- Green (87%)
- Blue (92%)



- Red (87%)
- Yellow (87%)
- Blue (92%)



- Cyan (6%)
- Magenta (5%)
- Yellow (0%)
- Black (8%)



- Cyan (13%)
- Magenta (13%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7914, 73.5552, 88.3084 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 70.7914, 73.5552, 88.3084 by changing the saturation by 10% instead.

■ 70.7914, 73.5552,
88.3084

■ 70.7914, 73.5552,
88.3084

452.5471,
472.9368, 542.9401

■ 52.4539, 54.4301,
66.0127

119.3568,
124.2651, 146.9014

■ 37.5927, 38.9456,
47.8262

150.3154,
156.6186, 184.0357

■ 25.8425, 26.7174,
33.3302

186.2117,
194.1504, 226.9534

■ 16.8379, 17.3611,
22.1064

227.4112,
237.2448, 276.0729

■ 10.2136, 10.4923,
13.7360

274.2791,
286.2862, 331.8127

■ 5.6042, 5.7266,
7.8006

327.1808,

■ 2.6443, 2.6795,

341.6591, 394.5915

3.8817

386.4817,
403.7478, 464.8278

■ 0.9686, 0.9668,
1.5607

■ 0.0000, 0.0000,
0.2625

■ 70.7914, 73.5552,
88.3084

■ 70.7914, 73.5552,
88.3084

■ 58.7849, 59.3913,
86.2084

■ 84.5298, 89.7064,
90.7029

■ 48.4353, 47.1290,
84.3870

■ 91.8515, 98.7206,
92.0569

■ 39.6717, 36.6899,
82.8340

■ 32.4155, 27.9870,
81.5366

■ 26.5815, 20.9257,
80.4811

■ 22.0760, 15.4028,
79.6526

■ 18.7936, 11.3030,
79.0342

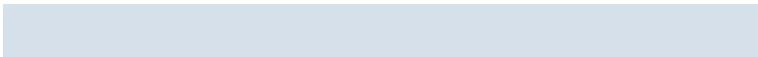
■ 16.6134, 8.4948,
78.6071

■ 15.3888, 6.8219,
78.3487

Harmonies

Analogous

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



69.2838, 73.5552, 88.5097



70.7914, 73.5552, 88.3084



72.0810, 73.5552, 85.8558

Triad

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



70.7914, 73.5552, 88.3084



71.8976, 73.5552, 74.0965



67.1076, 73.5552, 78.2981

Complementary

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



70.7914, 73.5552, 88.3084



76.1221, 80.9902, 80.0286

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.



67.7870, 73.5552, 74.5866



70.7914, 73.5552, 88.3084



70.5440, 73.5552, 72.2203

Square

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



70.7914, 73.5552, 88.3084



72.7259, 73.5552, 77.6072



69.0399, 73.5552, 72.3963



67.1716, 73.5552, 82.6234

Rectangle

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



70.7914, 73.5552, 88.3084



72.6369, 73.5552, 83.3226



69.0399, 73.5552, 72.3963



67.2562, 73.5552, 76.9404

Sweetspot

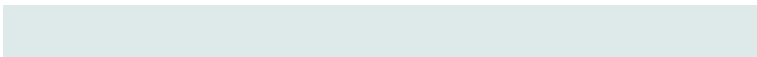
The Sweet Spot groups the original color and five complimentary colors.



70.7935, 73.5583, 88.3100



91.7154, 96.0793, 108.3190



73.9390, 80.0975, 88.5929



19.6658, 20.6060, 23.1908



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.



70.7935, 73.5583, 88.3100



83.7535, 86.7070, 106.9296



72.2039, 73.8910, 88.2999



14.8330, 15.3349, 19.1004



8.5023, 3.6515, 43.9997



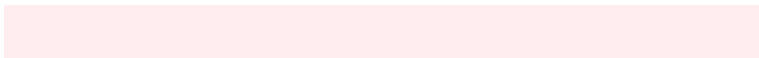
0.7002, 0.3518, 3.4659

Inverse Universe

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



72.9747, 74.4808, 79.6409



87.0779, 88.1194, 93.7150



74.6555, 80.6569, 80.0416



15.4712, 15.6065, 16.5636



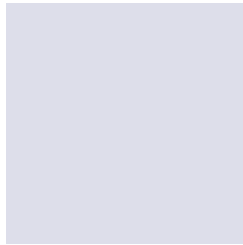
19.1468, 9.8614, 1.3087



1.5199, 0.7809, 0.1893

Previews

White Background



This preview shows how the XYZ color 70.7914, 73.5552, 88.3084 looks on a white background.

Color Contrast Check

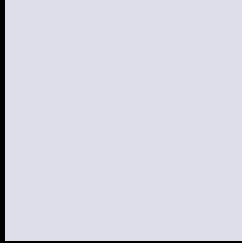
Large Text (above 18pt) WCAG AA × Fail

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 70.7914, 73.5552, 88.3084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

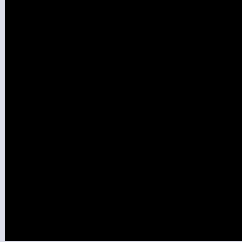
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

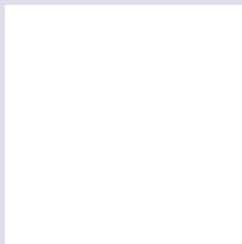
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.7914, 73.5552, 88.3084

Background



This preview shows how black text looks on a background with the XYZ color 70.7914, 73.5552, 88.3084.

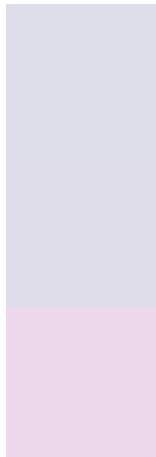


This preview shows how white text looks on a background with the XYZ color 70.7914, 73.5552,

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

70.7914, 73.5552, 88.3084

Protanopia

71.1392, 73.3414, 88.2488

Deuteranopia

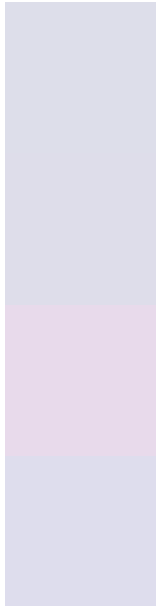
74.8112, 73.2870, 88.8001



Tritanopia

71.5606, 73.4745, 92.0717

Trichromacy



Original Color

70.7914, 73.5552, 88.3084

Protanomaly

70.8319, 73.1830, 88.2344

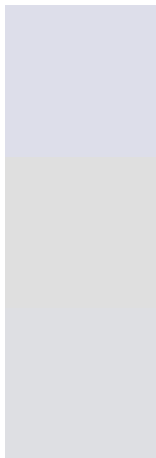
Deuteranomaly

73.3455, 73.2968, 88.8792

Tritanomaly

71.2667, 73.3569, 90.5239

Monochromacy



Original Color

70.7914, 73.5552, 88.3084

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

70.3770, 73.8510, 83.2184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7914, 73.5552, 88.3084 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(221, 222, 234) looks like.

```
.text, #text, p{  
    color:rgb(221, 222, 234)  
}
```

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(221, 222, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 222, 234) }
```

Border

The CSS property to change the border of an element to XYZ 70.7914, 73.5552, 88.3084 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(221, 222, 234) }
```


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

```
.border{ border-color:rgb(221, 222, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 222, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 222, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 222, 234);  
box-shadow:4px 4px 4px 4px rgb(221, 222,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7914, 73.5552, 88.3084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 222, 234) }
```

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

```
.background{ background-color: rgb(221,  
222, 234) }
```

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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