

Converting Colors

XYZ(70.8150, 72.9780, 88.6484)

Have a look what the booklet for
XYZ(70.8150, 72.9780, 88.6484)
contains.

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Color

**XYZ(70.9760, 73.2407,
88.9933)**

Conversions

Conversions Part 1

Format	Color
Hex	DEDDEB
RGB	222, 221, 235
RGB Percent	87%, 87%, 92%
CMY	0.1294, 0.1333, 0.0784
CMYK	0.06, 0.06, 0.00, 0.08
HSL	244°, 26%, 89%
HSV	244°, 6%, 92%
XYZ	70.9760, 73.2407, 88.9933
YIQ	222.8950, -3.8980, 4.5660

Conversions

Conversions Part 2

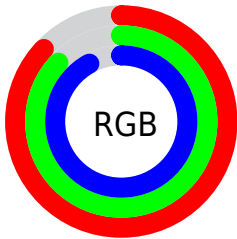
Format	Color
R _Y B	222, 221, 235
Decimal	14605803
CIE Lab	88.56, 2.92, -6.71
CIE LCh	89, 7.323, 293.520
Yxy	73.2407, 0.3043, 0.3141
Android (android.graphics.Color)	4292795883 (0xFFDEDEB)
YUV	222.8950, 5.9678, -0.7849
Hunter-Lab	85.5808, -1.7283, -1.7476

Details

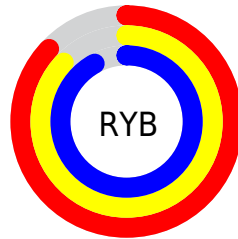
The XYZ color **70.9760, 73.2407, 88.9933** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **76.6941, 82.1316, 80.2211**, and the grayscale version is **70.0275, 73.6744, 80.2314**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.7093, 38.7426, 48.1384** is the 20% darker color. If you saturate the color by 10%, you get **58.9426, 58.4639, 86.7764**, and if you desaturate by 10%, it is **84.7476, 90.2068, 91.5434**.

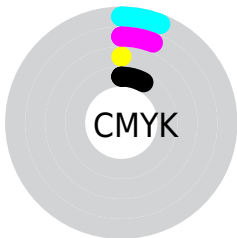
Distribution



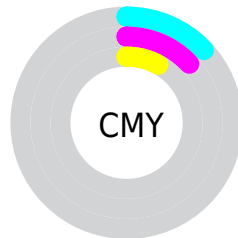
- Red (87%)
- Green (87%)
- Blue (92%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.9760, 73.2407, 88.9933 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 70.9760, 73.2407, 88.9933 by changing the saturation by 10% instead.

■ 70.9760, 73.2407,
88.9933

■ 70.9760, 73.2407,
88.9933

453.1827,
471.8486, 545.2360

■ 52.6051, 54.1728,
66.5770

119.6183,
123.8189, 147.8625

■ 37.7138, 38.7398,
48.2815

150.6203,
156.0979, 185.1525

■ 25.9368, 26.5574,
33.6883

186.5634,
193.5495, 228.2375

■ 16.9088, 17.2411,
22.3788

227.8130,
236.5579, 277.5360

■ 10.2644, 10.4065,
13.9345

274.7343,
285.5077, 333.4666

■ 5.6382, 5.6693,
7.9369

327.6928,

■ 2.6649, 2.6451,

340.7831, 396.4477

3.9674

387.0538,
402.7686, 466.8980

■ 0.9792, 0.9494,
1.6075

■ 0.0000, 0.0000,
0.2962

■ 70.9760, 73.2407,
88.9933

■ 70.9760, 73.2407,
88.9933

■ 58.9426, 58.4639,
86.7764

■ 84.7476, 90.2068,
91.5434

■ 48.5723, 45.7783,
84.8744

■ 91.9956, 98.7782,
92.8158

■ 39.7936, 35.0922,
83.2745

■ 32.5276, 26.3035,
81.9611

■ 26.6887, 19.3011,
80.9172

■ 22.1825, 13.9622,
80.1242

■ 18.9034, 10.1485,
79.5609

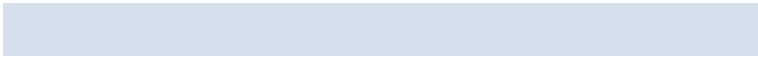
■ 16.7295, 7.6996,
79.2028

■ 15.5134, 6.4183,
79.0196

Harmonies

Analogous

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



69.2308, 73.2407, 89.7975



70.9760, 73.2407, 88.9933



72.3773, 73.2407, 85.6651

Triad

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



70.9760, 73.2407, 88.9933



71.6501, 73.2407, 72.1853



66.2957, 73.2407, 78.6549

Complementary

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



70.9760, 73.2407, 88.9933



76.6941, 82.1316, 80.2211

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.



66.9202, 73.2407, 74.1073



70.9760, 73.2407, 88.9933



69.9968, 73.2407, 70.4753

Square

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



70.9760, 73.2407, 88.9933



72.7710, 73.2407, 75.9311



68.2677, 73.2407, 71.1638



66.5479, 73.2407, 83.6880

Rectangle

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



70.9760, 73.2407, 88.9933



72.9179, 73.2407, 82.5354



68.2677, 73.2407, 71.1638



66.4097, 73.2407, 77.0215

Sweetspot

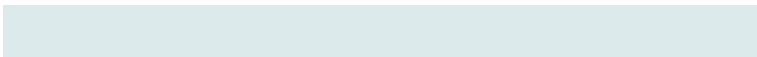
The Sweet Spot groups the original color and five complimentary colors.



70.9781, 73.2438, 88.9949



91.7232, 95.9017, 108.2843



74.2583, 80.2558, 90.1755



19.6674, 20.5698, 23.1837



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.



70.9781, 73.2438, 88.9949



83.7788, 86.1253, 106.8160



73.1463, 74.3616, 89.0964



14.8379, 15.2237, 19.0787



8.5099, 3.4229, 43.9551



0.7030, 0.2867, 3.4532

Inverse Universe

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



74.9714, 75.3190, 88.4326



89.4137, 89.0537, 106.0156



74.4614, 80.9806, 80.1167



15.9195, 15.7859, 18.9244



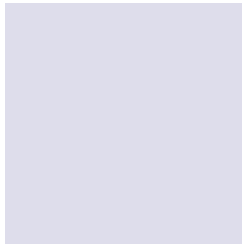
26.1510, 12.6631, 38.1923



2.0674, 0.9999, 3.0722

Previews

White Background



This preview shows how the XYZ color 70.9760, 73.2407, 88.9933 looks on a white background.

Color Contrast Check

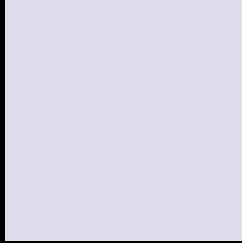
Large Text (above 18pt) WCAG AA × Fail

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 70.9760, 73.2407, 88.9933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

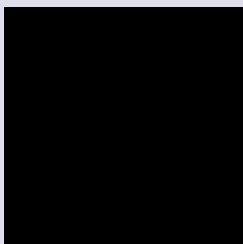
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

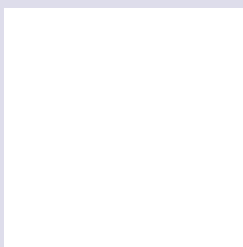
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.9760, 73.2407, 88.9933

Background



This preview shows how black text looks on a background with the XYZ color 70.9760, 73.2407, 88.9933.

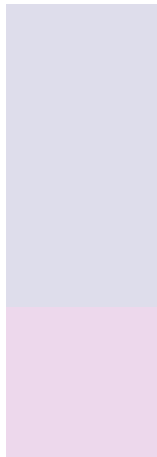


This preview shows how white text looks on a background with the XYZ color 70.9760, 73.2407,

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

70.9760, 73.2407, 88.9933

Protanopia

70.9760, 73.2407, 88.9933

Deuteranopia

74.6212, 73.1724, 89.5476



Tritanopia

71.4133, 73.4155, 91.2957

Trichromacy



Original Color

70.9760, 73.2407, 88.9933

Protanomaly

70.9760, 73.2407, 88.9933

Deuteranomaly

73.4904, 73.3547, 89.6424

Tritanomaly

71.2667, 73.3569, 90.5239

Monochromacy



Original Color

70.9760, 73.2407, 88.9933

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

70.4178, 73.4766, 83.1440

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9760, 73.2407, 88.9933 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(222, 221, 235)` looks like.

```
.text, #text, p{  
    color:rgb(222, 221, 235)  
}
```

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(222, 221, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 221, 235) }
```

Border

The CSS property to change the border of an element to XYZ 70.9760, 73.2407, 88.9933 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(222, 221, 235) }
```


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

```
.border{ border-color:rgb(222, 221, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 221, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 221, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 221, 235);  
box-shadow:4px 4px 4px 4px rgb(222, 221,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9760, 73.2407, 88.9933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 221, 235) }
```

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

```
.background{ background-color: rgb(222,  
221, 235) }
```

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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