

Converting Colors

XYZ(70.1090, 72.2328, 89.6054)

Have a look what the booklet for
XYZ(70.1090, 72.2328, 89.6054)
contains.

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Color

**XYZ(70.2487, 72.4582,
89.6402)**

Conversions

Conversions Part 1

Format	Color
Hex	DCDCEC
RGB	220, 220, 236
RGB Percent	86%, 86%, 93%
CMY	0.1372, 0.1372, 0.0745
CMYK	0.07, 0.07, 0.00, 0.07
HSL	240°, 30%, 89%
HSV	240°, 7%, 93%
XYZ	70.2487, 72.4582, 89.6402
YIQ	221.8240, -5.1360, 4.9760

Conversions

Conversions Part 2

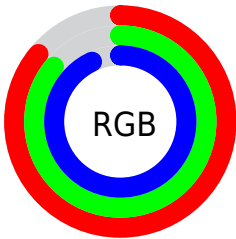
Format	Color
R _Y B	220, 220, 236
Decimal	14474476
CIE Lab	88.19, 2.98, -7.81
CIE LCh	88, 8.360, 290.872
Yxy	72.4582, 0.3023, 0.3119
Android (android.graphics.Color)	4292664556 (0xFFDCDCEC)
YUV	221.8240, 6.9888, -1.5996
Hunter-Lab	85.1224, -1.6540, -2.8511

Details

The XYZ color **70.2487, 72.4582, 89.6402** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77.5059, 82.9902, 79.6450**, and the grayscale version is **69.2636, 72.8707, 79.3562**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.2104, 38.2049, 48.5931** is the 20% darker color. If you saturate the color by 10%, you get **57.8427, 57.5111, 87.4101**, and if you desaturate by 10%, it is **84.5412, 89.6791, 92.2120**.

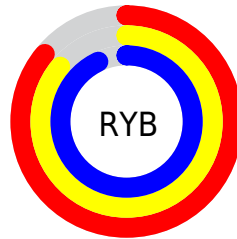
Distribution



Red (86%)

Green (86%)

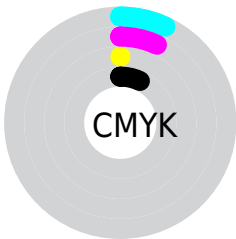
Blue (93%)



Red (86%)

Yellow (86%)

Blue (93%)

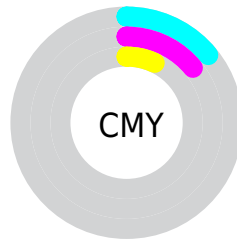


Cyan (7%)

Magenta (7%)

Yellow (0%)

Black (7%)



Cyan (14%)

Magenta (14%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.2487, 72.4582, 89.6402 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 70.2487, 72.4582, 89.6402 by changing the saturation by 10% instead.

70.2487, 72.4582,
89.6402

70.2487, 72.4582,
89.6402

450.6756,
469.1349, 547.3996

52.0096, 53.5331,
67.1102

118.5877,
122.7077, 148.7697

37.2371, 38.2285,
48.7121

149.4183,
154.8009, 186.2062

25.5656, 26.1601,
34.0271

185.1769,
192.0523, 229.4488

16.6299, 16.9434,
22.6369

226.2287,
234.8461, 278.9158

10.0647, 10.1942,
14.1229

272.9391,
283.5669, 335.0259

5.5044, 5.5279,
8.0664

325.6735,

2.5839, 2.5602,

338.5991, 398.1975

4.0491

384.7972,
400.3269, 468.8492

■ 0.9378, 0.9067,
1.6523

■ 0.0000, 0.0000,
0.3278

■ 70.2487, 72.4582,
89.6402

■ 70.2487, 72.4582,
89.6402

■ 57.8427, 57.5111,
87.4101

■ 84.5412, 89.6791,
92.2120

■ 47.2384, 44.7342,
85.5028

■ 92.1405, 98.8362,
93.5790

■ 38.3541, 34.0295,
83.9049

■ 31.0991, 25.2877,
82.5999

■ 25.3745, 18.3898,
81.5702

■ 21.0708, 13.2038,
80.7960

■ 18.0638, 9.5801,
80.2551

■ 16.2081, 7.3435,
79.9212

■ 15.3187, 6.2713,
79.7611

Harmonies

Analogous

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



68.2611, 72.4582, 90.2769



70.2487, 72.4582, 89.6402



71.8961, 72.4582, 86.0514

Triad

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



70.2487, 72.4582, 89.6402



71.3249, 72.4582, 70.6551



65.1415, 72.4582, 77.1603

Complementary

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



70.2487, 72.4582, 89.6402



77.5059, 82.9902, 79.6450

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.



65.9288, 72.4582, 72.1462



70.2487, 72.4582, 89.6402



69.4812, 72.4582, 68.5118

Square

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



70.2487, 72.4582, 89.6402



72.5257, 72.4582, 75.0351



67.5082, 72.4582, 69.0441



65.3380, 72.4582, 82.8844

Rectangle

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



70.2487, 72.4582, 89.6402



72.5672, 72.4582, 82.5591



67.5082, 72.4582, 69.0441



65.2993, 72.4582, 75.3403

Sweetspot

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



70.2508, 72.4613, 89.6418



91.5934, 95.8353, 108.2783



74.6134, 81.2484, 90.9050



19.6410, 20.5563, 23.1825



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.



70.2508, 72.4613, 89.6418



81.7742, 84.0046, 106.5123



72.6450, 73.6942, 89.7536



14.2315, 14.5495, 18.9805



8.3461, 3.3391, 43.9476



0.6555, 0.2624, 3.4510

Inverse Universe

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



73.1052, 74.1880, 78.1804



85.7722, 86.4232, 90.4587



74.9944, 81.6970, 79.5278



15.0657, 15.0541, 15.6311



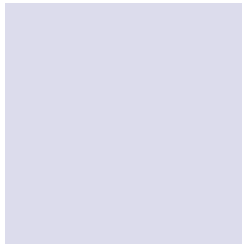
19.0680, 9.8299, 0.8935



1.4973, 0.7719, 0.0704

Previews

White Background



This preview shows how the XYZ color 70.2487, 72.4582, 89.6402 looks on a white background.

Color Contrast Check

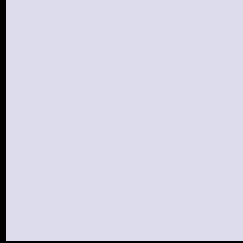
Large Text (above 18pt) WCAG AA × Fail

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 70.2487, 72.4582, 89.6402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

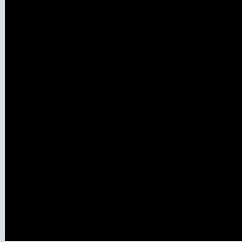
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.2487, 72.4582, 89.6402

Background



This preview shows how black text looks on a background with the XYZ color 70.2487, 72.4582, 89.6402.



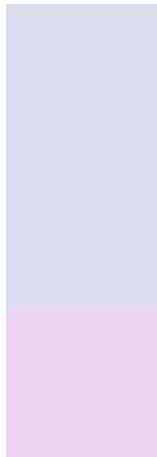
This preview shows how white text looks on a background with the XYZ color 70.2487, 72.4582,

89.6402.

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

70.2487, 72.4582, 89.6402

Protanopia

70.5523, 72.6147, 89.6544

Deuteranopia

73.8475, 72.3775, 90.1988



Tritanopia

70.3945, 72.5165, 90.4077

Trichromacy



Original Color

70.2487, 72.4582, 89.6402

Protanomaly

70.5523, 72.6147, 89.6544

Deuteranomaly

72.7320, 72.5631, 90.2935

Tritanomaly

70.3945, 72.5165, 90.4077

Monochromacy



Original Color

70.2487, 72.4582, 89.6402

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

69.5404, 72.6311, 83.0271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2487, 72.4582, 89.6402 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(220, 220, 236) looks like.

```
.text, #text, p{  
    color:rgb(220, 220, 236)  
}
```

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(220, 220, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 220, 236) }
```

Border

The CSS property to change the border of an element to XYZ 70.2487, 72.4582, 89.6402 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(220, 220, 236) }
```


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

```
.border{ border-color:rgb(220, 220, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 220, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 220, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 220, 236);  
box-shadow:4px 4px 4px 4px rgb(220, 220,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2487, 72.4582, 89.6402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 220, 236) }
```

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

```
.background{ background-color: rgb(220,  
220, 236) }
```

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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