

Converting Colors

XYZ(70.2815, 72.4558, 94.3436)

Have a look what the booklet for
XYZ(70.2815, 72.4558, 94.3436)
contains.

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Color

**XYZ(70.2355, 72.3489,
94.2673)**

Conversions

Conversions Part 1

Format	Color
Hex	D9DCF2
RGB	217, 220, 242
RGB Percent	85%, 86%, 95%
CMY	0.1490, 0.1372, 0.0510
CMYK	0.10, 0.09, 0.00, 0.05
HSL	233°, 49%, 90%
HSV	233°, 10%, 95%
XYZ	70.2355, 72.3489, 94.2673
YIQ	221.6110, -8.8500, 6.2060

Conversions

Conversions Part 2

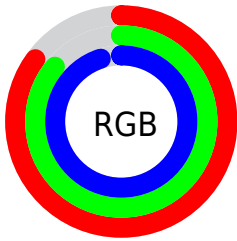
Format	Color
R _Y B	217, 220, 242
Decimal	14277874
CIE Lab	88.14, 3.18, -11.07
CIE LCh	88, 11.519, 286.005
Yxy	72.3489, 0.2965, 0.3055
Android (android.graphics.Color)	4292467954 (0xFFD9DCF2)
YUV	221.6110, 10.0518, -4.0438
Hunter-Lab	85.0582, -1.4581, -6.1685

Details

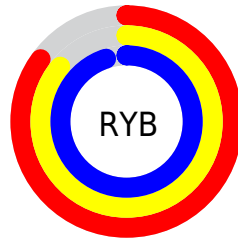
The XYZ color **70.2355, 72.3489, 94.2673** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **80.0092, 85.6196, 77.9564**, and the grayscale version is **69.0945, 72.6928, 79.1625**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.2184, 38.1368, 51.8539** is the 20% darker color. If you saturate the color by 10%, you get **58.3262, 58.4366, 92.2108**, and if you desaturate by 10%, it is **83.9156, 88.2346, 96.6137**.

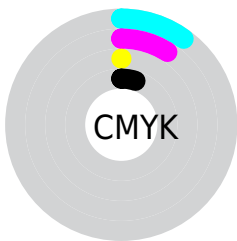
Distribution



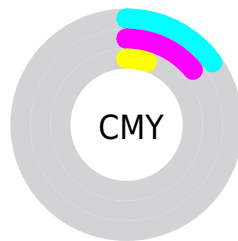
- Red (85%)
- Green (86%)
- Blue (95%)



- Red (85%)
- Yellow (86%)
- Blue (95%)



- Cyan (10%)
- Magenta (9%)
- Yellow (0%)
- Black (5%)



- Cyan (15%)
- Magenta (14%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.2355, 72.3489, 94.2673 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 70.2355, 72.3489, 94.2673 by changing the saturation by 10% instead.

■ 70.2355, 72.3489,
94.2673

■ 70.2355, 72.3489,
94.2673

450.6300,
468.7551, 562.7410

■ 51.9988, 53.4437,
70.9318

118.5690,
122.5524, 155.2388

■ 37.2284, 38.1571,
51.8050

149.3965,
154.6196, 193.7119

■ 25.5589, 26.1047,
36.4685

185.1517,
191.8429, 238.0679

■ 16.6249, 16.9020,
24.5037

226.1999,
234.6067, 288.7254

■ 10.0610, 10.1646,
15.4920

272.9065,
283.2955, 346.1029

■ 5.5020, 5.5082,
9.0150

325.6368,

■ 2.5825, 2.5484,

338.2935, 410.6190

4.6540

384.7561,
399.9852, 482.6922

■ 0.9370, 0.9008,
1.9906

■ 0.0000, 0.0000,
0.5495

■ 70.2355, 72.3489,
94.2673

■ 70.2355, 72.3489,
94.2673

■ 58.3262, 58.4366,
92.2108

■ 83.9156, 88.2346,
96.6137

■ 48.1090, 46.4117,
90.4282

■ 93.0272, 99.1909,
98.2482

■ 39.5086, 36.1953,
88.9096

■ 32.4414, 27.6994,
87.6422

■ 26.8166, 20.8285,
86.6124

■ 22.5333, 15.4778,
85.8054

■ 19.4776, 11.5299,
85.2044

■ 17.5159, 8.8499,
84.7905

■ 16.4683, 7.2929,
84.5452

Harmonies

Analogous

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



67.4930, 72.3489, 94.4225



70.2355, 72.3489, 94.2673



72.6448, 72.3489, 89.7835

Triad

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



70.2355, 72.3489, 94.2673



72.5087, 72.3489, 68.3638



63.7553, 72.3489, 75.1654

Complementary

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



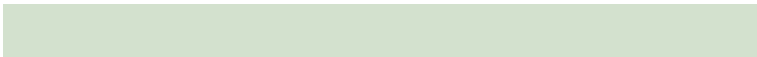
70.2355, 72.3489, 94.2673



80.0092, 85.6196, 77.9564

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.



65.0267, 72.3489, 68.7065



70.2355, 72.3489, 94.2673



70.0538, 72.3489, 64.9605

Square

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



70.2355, 72.3489, 94.2673



73.9810, 72.3489, 74.6687



67.3161, 72.3489, 65.0816



63.8010, 72.3489, 83.0305

Rectangle

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



70.2355, 72.3489, 94.2673



73.7164, 72.3489, 85.1037



67.3161, 72.3489, 65.0816



64.0413, 72.3489, 72.7693

Sweetspot

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



70.2376, 72.3519, 94.2689



90.1815, 94.3581, 108.0676



75.8995, 84.4695, 93.7085



19.0308, 19.8813, 23.0844



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.



70.2376, 72.3519, 94.2689



76.6788, 78.6596, 105.7492



72.2576, 72.2337, 94.1396



15.0502, 15.5345, 19.9268



8.8978, 4.0198, 45.4348



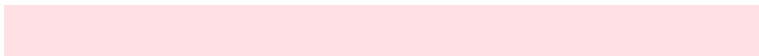
0.7894, 0.4328, 3.7961

Inverse Universe

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



74.3508, 73.6719, 78.0150



82.0174, 80.3922, 84.6482



77.8277, 85.8108, 78.1083



15.8500, 15.7897, 16.7664



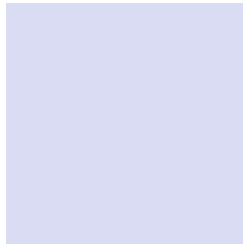
19.8168, 10.1991, 1.6859



1.6734, 0.8584, 0.2710

Previews

White Background



This preview shows how the XYZ color 70.2355, 72.3489, 94.2673 looks on a white background.

Color Contrast Check

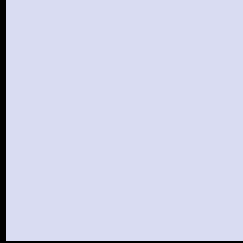
Large Text (above 18pt) WCAG AA × Fail

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 70.2355, 72.3489, 94.2673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

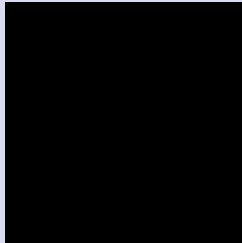
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.2355, 72.3489, 94.2673

Background



This preview shows how black text looks on a background with the XYZ color 70.2355, 72.3489, 94.2673.

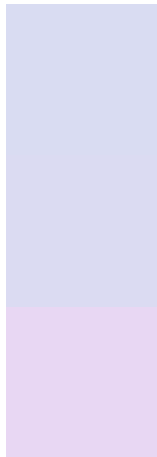


This preview shows how white text looks on a background with the XYZ color 70.2355, 72.3489,

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

70.2355, 72.3489, 94.2673

Protanopia

70.5719, 72.1339, 94.2081

Deuteranopia

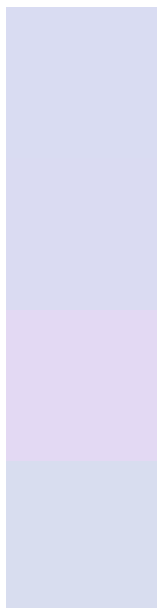
73.7568, 72.2277, 94.8480



Tritanopia

69.6080, 72.4849, 91.2112

Trichromacy



Original Color

70.2355, 72.3489, 94.2673

Protanomaly

70.2720, 71.9793, 94.1941

Deuteranomaly

72.6691, 72.4277, 94.9439

Tritanomaly

69.7553, 72.5438, 91.9872

Monochromacy



Original Color

70.2355, 72.3489, 94.2673

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

69.5145, 72.5857, 84.4754

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2355, 72.3489, 94.2673 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(217, 220, 242) looks like.

```
.text, #text, p{  
    color:rgb(217, 220, 242)  
}
```

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(217, 220, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 220, 242) }
```

Border

The CSS property to change the border of an element to XYZ 70.2355, 72.3489, 94.2673 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(217, 220, 242) }
```


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

```
.border{ border-color:rgb(217, 220, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 220, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 220, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 220, 242);  
box-shadow:4px 4px 4px 4px rgb(217, 220,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2355, 72.3489, 94.2673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 220, 242) }
```

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

```
.background{ background-color: rgb(217,  
220, 242) }
```

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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