

Converting Colors

XYZ(72.2620, 73.2110, 90.4673)

Have a look what the booklet for
XYZ(72.2620, 73.2110, 90.4673)
contains.

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Color

**XYZ(72.2961, 73.1084,
90.4217)**

Conversions

Conversions Part 1

Format	Color
Hex	E3DBED
RGB	227, 219, 237
RGB Percent	89%, 86%, 93%
CMY	0.1098, 0.1412, 0.0706
CMYK	0.04, 0.08, 0.00, 0.07
HSL	267°, 33%, 89%
HSV	267°, 8%, 93%
XYZ	72.2961, 73.1084, 90.4217
YIQ	223.4440, -1.0100, 7.2940

Conversions

Conversions Part 2

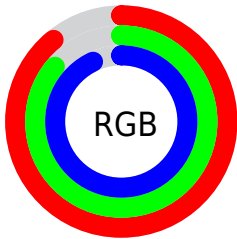
Format	Color
R _Y B	227, 219, 237
Decimal	14932973
CIE Lab	88.50, 5.99, -7.82
CIE LCh	88, 9.849, 307.452
Yxy	73.1084, 0.3066, 0.3100
Android (android.graphics.Color)	4293123053 (0xFFE3DBED)
YUV	223.4440, 6.6831, 3.1186
Hunter-Lab	85.5035, 1.2968, -2.8480

Details

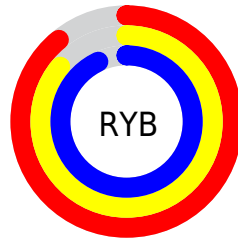
The XYZ color **72.2961, 73.1084, 90.4217** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.3863, 82.3429, 78.9421**, and the grayscale version is **70.4113, 74.0781, 80.6711**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.6292, 38.6578, 49.1418** is the 20% darker color. If you saturate the color by 10%, you get **62.5524, 59.5525, 88.3198**, and if you desaturate by 10%, it is **83.2421, 88.5948, 92.8351**.

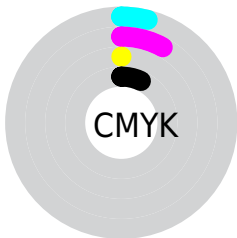
Distribution



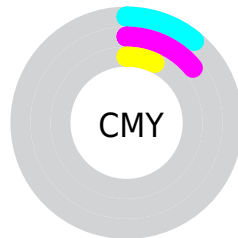
- Red (89%)
- Green (86%)
- Blue (93%)



- Red (89%)
- Yellow (86%)
- Blue (93%)



- Cyan (4%)
- Magenta (8%)
- Yellow (0%)
- Black (7%)



- Cyan (11%)
- Magenta (14%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.2961, 73.1084, 90.4217 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 72.2961, 73.1084, 90.4217 by changing the saturation by 10% instead.

72.2961, 73.1084,
90.4217

72.2961, 73.1084,
90.4217

457.7132,
471.3904, 550.0071

53.6869, 54.0646,
67.7548

121.4859,
123.6311, 149.8646

38.5811, 38.6533,
49.2328

152.7973,
155.8788, 187.4777

26.6133, 26.4901,
34.4373

189.0735,
193.2965, 230.9100

17.4181, 17.1907,
22.9497

230.6797,
236.2688, 280.5799

10.6302, 10.3705,
14.3514

277.9815,
285.1799, 336.9060

5.8842, 5.6453,
8.2239

331.3441,

2.8148, 2.6306,

340.4143, 400.3069

4.1488

391.1329,
402.3563, 471.2011

■ 1.0566, 0.9421,
1.7073

■ 0.0000, 0.0000,
0.3657

■ 72.2961, 73.1084,
90.4217

■ 72.2961, 73.1084,
90.4217

■ 62.5524, 59.5525,
88.3198

■ 83.2421, 88.5948,
92.8351

■ 53.9604, 47.8402,
86.5120

■ 91.6785, 98.5812,
94.3180

■ 46.4755, 37.8916,
84.9862

■ 92.2863, 98.8945,
94.3464

■ 40.0472, 29.6170,
83.7278

■ 34.6209, 22.9190,
82.7210

■ 30.1363, 17.6893,
81.9479

■ 26.5259, 13.8057,
81.3886

■ 23.7114, 11.1248,
81.0195

■ 21.5904, 9.4563,
80.8092

Harmonies

Analogous

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



70.0802, 73.1084, 93.2604



72.2961, 73.1084, 90.4217



73.7825, 73.1084, 84.7138

Triad

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



72.2961, 73.1084, 90.4217



71.2498, 73.1084, 68.1450



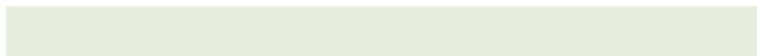
65.0651, 73.1084, 81.3078

Complementary

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



72.2961, 73.1084, 90.4217



75.3863, 82.3429, 78.9421

Split Complementary

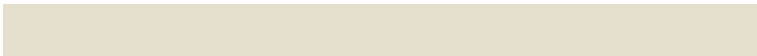
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



65.3622, 73.1084, 74.7013



72.2961, 73.1084, 90.4217



68.8978, 73.1084, 67.3479

Square

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



72.2961, 73.1084, 90.4217



73.1689, 73.1084, 71.9255



66.7523, 73.1084, 69.6829



65.9314, 73.1084, 87.8075

Rectangle

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



72.2961, 73.1084, 90.4217



74.1410, 73.1084, 80.1843



66.7523, 73.1084, 69.6829



65.0326, 73.1084, 79.0238

Sweetspot

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



72.2982, 73.1115, 90.4233



92.4096, 96.2555, 108.3164



72.5769, 77.3266, 91.2222



19.8072, 20.6419, 23.1903



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.



72.2982, 73.1115, 90.4233



83.6236, 83.8824, 106.3912



75.1455, 74.5793, 90.5565



14.8665, 14.8765, 19.0101



11.6916, 5.0631, 44.1040



1.0271, 0.4538, 3.4683

Inverse Universe

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



74.4021, 74.3281, 84.5581



86.5620, 85.5819, 98.1851



72.6489, 80.9317, 78.8140



15.4159, 15.1942, 17.4752



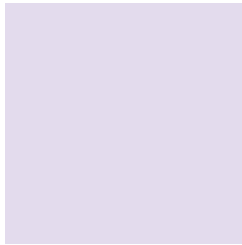
21.3975, 10.7617, 13.1602



1.7285, 0.8644, 1.2878

Previews

White Background



This preview shows how the XYZ color 72.2961, 73.1084, 90.4217 looks on a white background.

Color Contrast Check

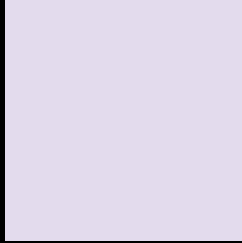
Large Text (above 18pt) WCAG AA × Fail

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 72.2961, 73.1084, 90.4217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

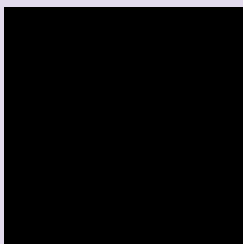
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.2961, 73.1084, 90.4217

Background



This preview shows how black text looks on a background with the XYZ color 72.2961, 73.1084, 90.4217.

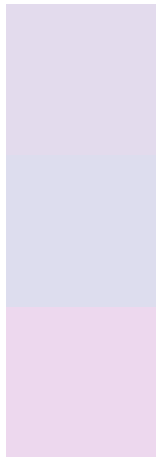


This preview shows how white text looks on a background with the XYZ color 72.2961, 73.1084,

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

72.2961, 73.1084, 90.4217

Protanopia

71.1079, 73.2581, 91.2814

Deuteranopia

74.9135, 73.2893, 91.0868



Tritanopia

72.1504, 73.0501, 89.6542

Trichromacy



Original Color

72.2961, 73.1084, 90.4217

Protanomaly

71.4572, 73.0474, 91.2223

Deuteranomaly

73.8497, 73.1224, 91.1107

Tritanomaly

72.1504, 73.0501, 89.6542

Monochromacy



Original Color

72.2961, 73.1084, 90.4217

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

70.8653, 73.6913, 83.8876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.2961, 73.1084, 90.4217 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(227, 219, 237)` looks like.

```
.text, #text, p{  
    color:rgb(227, 219, 237)  
}
```

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(227, 219, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 219, 237) }
```

Border

The CSS property to change the border of an element to XYZ 72.2961, 73.1084, 90.4217 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(227, 219, 237) }
```


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

```
.border{ border-color:rgb(227, 219, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 219, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 219, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 219, 237);  
box-shadow:4px 4px 4px 4px rgb(227, 219,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 72.2961, 73.1084, 90.4217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 219, 237) }
```

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

```
.background{ background-color: rgb(227,  
219, 237) }
```

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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