

Converting Colors

XYZ(73.1808, 77.3299, 91.6964)

Have a look what the booklet for
XYZ(73.1808, 77.3299, 91.6964)
contains.

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Color

**XYZ(72.9948, 77.0320,
91.9103)**

Conversions

Conversions Part 1

Format	Color
Hex	DDE4EE
RGB	221, 228, 238
RGB Percent	87%, 89%, 93%
CMY	0.1333, 0.1059, 0.0667
CMYK	0.07, 0.04, 0.00, 0.07
HSL	215°, 33%, 90%
HSV	215°, 7%, 93%
XYZ	72.9948, 77.0320, 91.9103
YIQ	227.0470, -7.3820, 1.6260

Conversions

Conversions Part 2

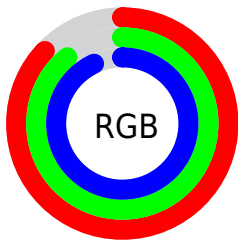
Format	Color
R _Y B	221, 226, 238
Decimal	14542062
CIE Lab	90.34, -0.46, -5.68
CIE LCh	90, 5.696, 265.335
Yxy	77.0320, 0.3017, 0.3184
Android (android.graphics.Color)	4292732142 (0xFFDDE4EE)
YUV	227.0470, 5.3998, -5.3032
Hunter-Lab	87.7679, -5.1389, -0.6508

Details

The XYZ color **72.9948, 77.0320, 91.9103** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **76.8872, 80.5487, 79.9030**, and the grayscale version is **73.0155, 76.8180, 83.6548**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.1130, 41.3715, 50.1800** is the 20% darker color. If you saturate the color by 10%, you get **62.5608, 66.1689, 90.3646**, and if you desaturate by 10%, it is **84.7722, 89.0545, 93.6113**.

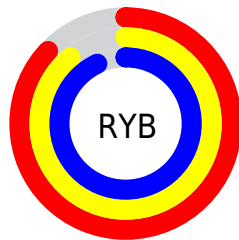
Distribution



Red (87%)

Green (89%)

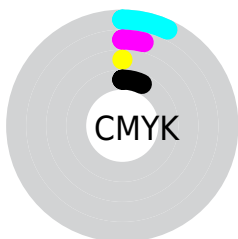
Blue (93%)



Red (87%)

Yellow (89%)

Blue (93%)

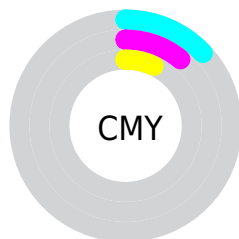


Cyan (7%)

Magenta (4%)

Yellow (0%)

Black (7%)



Cyan (13%)

Magenta (11%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.9948, 77.0320, 91.9103 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 72.9948, 77.0320, 91.9103 by changing the saturation by 10% instead.

■ 72.9948, 77.0320,
91.9103

■ 72.9948, 77.0320,
91.9103

460.1009,
484.8731, 554.9552

■ 54.2601, 57.2791,
68.9835

122.4730,
129.1847, 151.9477

■ 39.0411, 41.2294,
50.2266

153.9472,
162.3532, 189.8954

■ 26.9726, 28.4984,
35.2210

190.3986,
200.7625, 233.6871

■ 17.6891, 18.7017,
23.5483

232.1925,
244.7969, 283.7414

■ 10.8254, 11.4549,
14.7898

279.6943,
294.8407, 340.4768

■ 6.0159, 6.3737,
8.5270

333.2694,

■ 2.8955, 3.0736,

351.2785, 404.3119

4.3414

393.2832,
414.4945, 475.6652

■ 1.0988, 1.1703,
1.8144

■ 0.0241, 0.0372,
0.4375

■ 72.9948, 77.0320,
91.9103

■ 72.9948, 77.0320,
91.9103

■ 62.5608, 66.1689,
90.3646

■ 84.7722, 89.0545,
93.6113

■ 53.4131, 56.4187,
88.9648

■ 92.4328, 98.9531,
95.1182

■ 45.5003, 47.7455,
87.7078

■ 38.7649, 40.1081,
86.5886

■ 33.1443, 33.4617,
85.6019

■ 28.5697, 27.7582,
84.7422

■ 24.9636, 22.9442,
84.0030

■ 22.2364, 18.9592,
83.3776

■ 20.2741, 15.7294,
82.8576

Harmonies

Analogous

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



71.6749, 77.0320, 90.4704



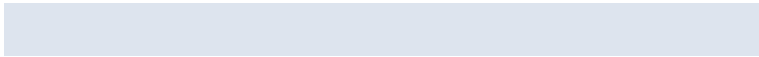
72.9948, 77.0320, 91.9103



74.3909, 77.0320, 91.1408

Triad

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



72.9948, 77.0320, 91.9103



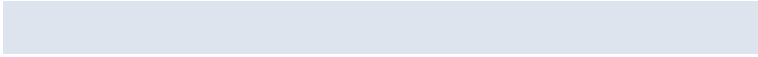
75.7116, 77.0320, 80.5738



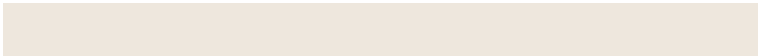
70.9943, 77.0320, 79.5063

Complementary

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



72.9948, 77.0320, 91.9103



76.8872, 80.5487, 79.9030

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.



72.0548, 77.0320, 77.0055



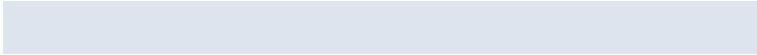
72.9948, 77.0320, 91.9103



74.7802, 77.0320, 77.6077

Square

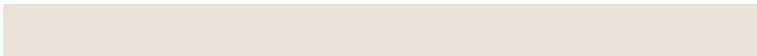
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.9948, 77.0320, 91.9103



75.9711, 77.0320, 84.5122



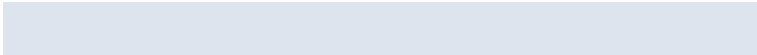
73.4389, 77.0320, 76.3218



70.5295, 77.0320, 83.2405

Rectangle

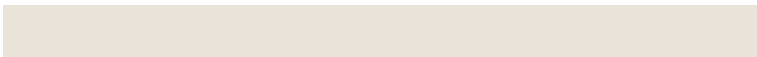
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.9948, 77.0320, 91.9103



75.1752, 77.0320, 89.4912



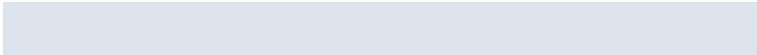
73.4389, 77.0320, 76.3218



71.2923, 77.0320, 78.4983

Sweetspot

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



72.9970, 77.0353, 91.9120



92.2492, 97.1470, 108.4969



74.8066, 82.2873, 87.4811



19.7745, 20.8234, 23.2270



0.0000, 0.0000, 0.0000



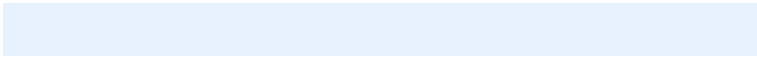
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.9970, 77.0353, 91.9120



82.9499, 87.5940, 107.1432



71.5423, 73.4828, 91.3030



15.4321, 16.2983, 20.0541



11.1694, 8.5631, 46.1920



1.0249, 0.9037, 3.8746

Inverse Universe

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



75.1217, 75.4930, 84.0149



86.0634, 85.3825, 95.5594



78.4129, 84.3036, 80.5473



16.0428, 15.8668, 17.7816



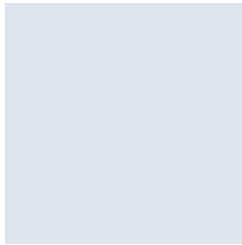
20.9634, 10.6578, 7.7239



1.7923, 0.9059, 0.8969

Previews

White Background



This preview shows how the XYZ color 72.9948, 77.0320, 91.9103 looks on a white background.

Color Contrast Check

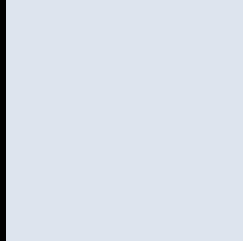
Large Text (above 18pt) WCAG AA × Fail

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 72.9948, 77.0320, 91.9103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

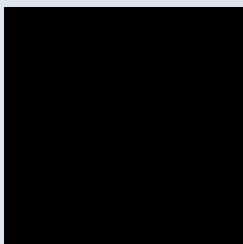
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

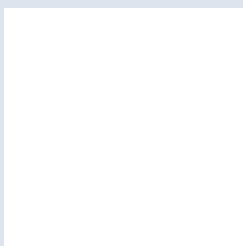
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.9948, 77.0320, 91.9103

Background



This preview shows how black text looks on a background with the XYZ color 72.9948, 77.0320, 91.9103.



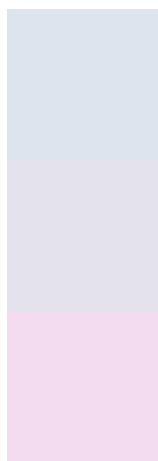
This preview shows how white text looks on a background with the XYZ color 72.9948, 77.0320,

91.9103.

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

72.9948, 77.0320, 91.9103

Protanopia

74.4773, 77.0011, 91.0581

Deuteranopia

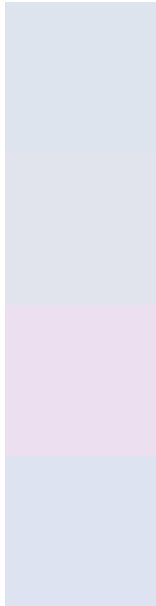
78.6296, 76.7108, 93.1005



Tritanopia

74.0747, 77.0603, 97.3562

Trichromacy



Original Color

72.9948, 77.0320, 91.9103

Protanomaly

73.8065, 77.0601, 91.1048

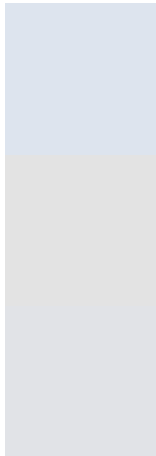
Deuteranomaly

76.5597, 76.8402, 92.4579

Tritanomaly

73.6203, 76.8786, 94.9632

Monochromacy



Original Color

72.9948, 77.0320, 91.9103

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

72.9442, 76.7152, 86.5643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.9948, 77.0320, 91.9103 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, 228, 238) looks like.

```
.text, #text, p{  
    color:rgb(221, 228, 238)  
}
```

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, 228, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 228, 238) }
```

Border

The CSS property to change the border of an element to XYZ 72.9948, 77.0320, 91.9103 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, 228, 238) }
```


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

```
.border{ border-color:rgb(221, 228, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 228, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 228, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 228, 238);  
box-shadow:4px 4px 4px 4px rgb(221, 228,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 72.9948, 77.0320, 91.9103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 228, 238) }
```

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

```
.background{ background-color: rgb(221,  
228, 238) }
```

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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