

Converting Colors

XYZ(72.2234, 78.0000, 91.4846)

Have a look what the booklet for
XYZ(72.2234, 78.0000, 91.4846)
contains.

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Color

**XYZ(72.1809, 77.8652,
91.3459)**

Conversions

Conversions Part 1

Format	Color
Hex	D8E7ED
RGB	216, 231, 237
RGB Percent	85%, 91%, 93%
CMY	0.1529, 0.0941, 0.0706
CMYK	0.09, 0.03, 0.00, 0.07
HSL	197°, 37%, 89%
HSV	197°, 9%, 93%
XYZ	72.1809, 77.8652, 91.3459
YIQ	227.1990, -10.8660, -1.3140

Conversions

Conversions Part 2

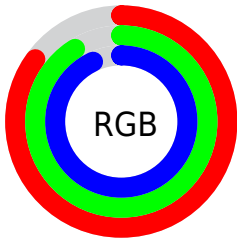
Format	Color
R _Y B	216, 225, 237
Decimal	14215149
CIE Lab	90.72, -3.82, -4.63
CIE LCh	91, 6.002, 230.495
Yxy	77.8652, 0.2990, 0.3226
Android (android.graphics.Color)	4292405229 (0xFFD8E7ED)
YUV	227.1990, 4.8319, -9.8215
Hunter-Lab	88.2413, -8.4101, 0.3929

Details

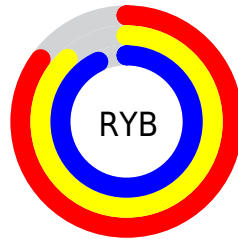
The XYZ color **72.1809, 77.8652, 91.3459** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.4414, 75.2045, 75.6123**, and the grayscale version is **73.1319, 76.9405, 83.7882**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.3684, 41.5732, 49.7183** is the 20% darker color. If you saturate the color by 10%, you get **63.8206, 70.7996, 90.4239**, and if you desaturate by 10%, it is **81.6288, 85.6045, 92.3430**.

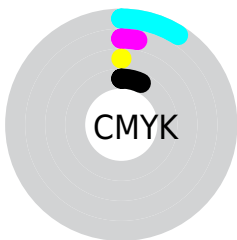
Distribution



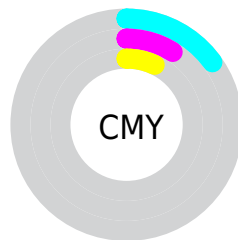
- Red (85%)
- Green (91%)
- Blue (93%)



- Red (85%)
- Yellow (88%)
- Blue (93%)



- Cyan (9%)
- Magenta (3%)
- Yellow (0%)
- Black (7%)



- Cyan (15%)
- Magenta (9%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1809, 77.8652, 91.3459 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 72.1809, 77.8652, 91.3459 by changing the saturation by 10% instead.

■ 72.1809, 77.8652,
91.3459

■ 72.1809, 77.8652,
91.3459

457.3189,
487.7089, 553.0820

■ 53.5925, 57.9633,
68.5175

121.3231,
130.3601, 151.1583

■ 38.5053, 41.7791,
49.8495

152.6076,
163.7218, 188.9794

■ 26.5541, 28.9284,
34.9235

188.8547,
202.3389, 232.6351

■ 17.3735, 19.0266,
23.3209

230.4300,
246.5958, 282.5440

■ 10.5981, 11.6895,
14.6231

277.6987,
296.8768, 339.1246

■ 5.8626, 6.5326,
8.4116

331.0262,

■ 2.8015, 3.1716,

353.5664, 402.7954

4.2679

390.7778,
417.0490, 473.9751

■ 1.0497, 1.2220,
1.7734

■ 0.0000, 0.0795,
0.4104

■ 72.1809, 77.8652,
91.3459

■ 72.1809, 77.8652,
91.3459

■ 63.8206, 70.7996,
90.4239

■ 81.6288, 85.6045,
92.3430

■ 56.4973, 64.3739,
89.5697

■ 89.0398, 92.4015,
93.2643

■ 50.1664, 58.5662,
88.7823

■ 91.1197, 96.5614,
93.9576

■ 44.7771, 53.3489,
88.0593

■ 92.2863, 98.8945,
94.3465

■ 40.2739, 48.6921,
87.3978

■ 36.5952, 44.5629,
86.7947

■ 33.6709, 40.9236,
86.2464

■ 31.4180, 37.7303,
85.7487

■ 29.7131, 34.9179,
85.2957

Harmonies

Analogous

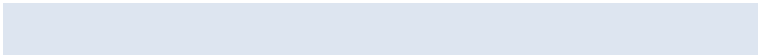
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.3280, 77.8652, 87.7202



72.1809, 77.8652, 91.3459



73.5312, 77.8652, 93.2308

Triad

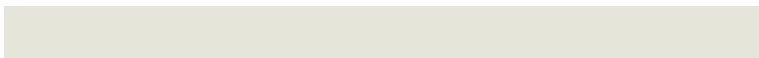
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.1809, 77.8652, 91.3459



76.9027, 77.8652, 86.1594



72.9989, 77.8652, 77.2455

Complementary

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



72.1809, 77.8652, 91.3459



73.4414, 75.2045, 75.6123

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.



74.4880, 77.8652, 76.8596



72.1809, 77.8652, 91.3459



76.7554, 77.8652, 81.9101

Square

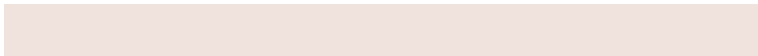
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.1809, 77.8652, 91.3459



76.2663, 77.8652, 90.1701



75.8668, 77.8652, 78.5403



71.7958, 77.8652, 79.6128

Rectangle

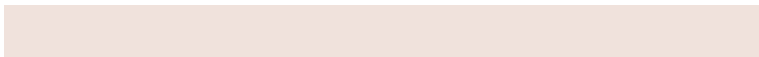
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



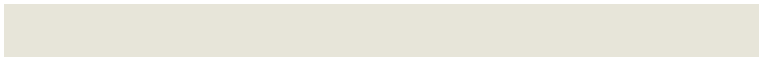
72.1809, 77.8652, 91.3459



74.5375, 77.8652, 93.2043



75.8668, 77.8652, 78.5403



73.4821, 77.8652, 76.8829

Sweetspot

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



72.1831, 77.8685, 91.3476



91.5984, 97.1920, 108.5399



71.7825, 80.4399, 80.8165



19.4127, 20.6451, 23.2117



0.0000, 0.0000, 0.0000



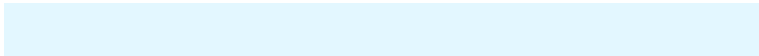
20.3446, 21.4041, 23.3091

Same Dimension

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



72.1831, 77.8685, 91.3476



82.9706, 90.0584, 107.6177



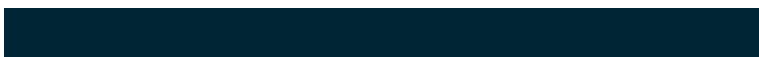
69.3441, 72.1903, 90.4013



15.1332, 16.3528, 19.2810



16.2423, 19.1315, 46.5797



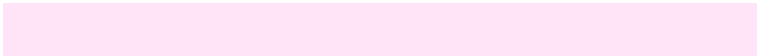
1.3568, 1.6650, 3.6847

Inverse Universe

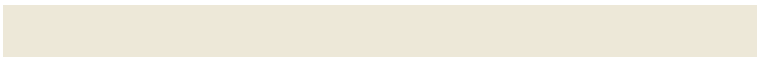
The Inverse Universe completely reimagines the original color for something new.



73.9065, 72.8874, 85.7785



85.4824, 82.8856, 99.4810



76.3044, 80.9306, 76.5666



15.5208, 15.2362, 18.0277



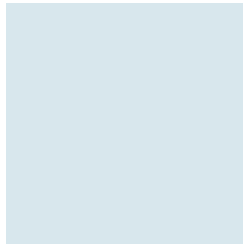
23.0536, 11.4241, 21.8816



1.8513, 0.9135, 1.9344

Previews

White Background



This preview shows how the XYZ color 72.1809, 77.8652, 91.3459 looks on a white background.

Color Contrast Check

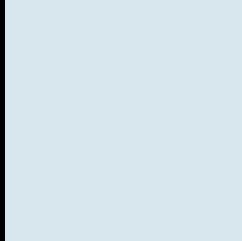
Large Text (above 18pt) WCAG AA × Fail

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 72.1809, 77.8652, 91.3459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

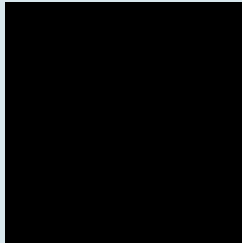
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

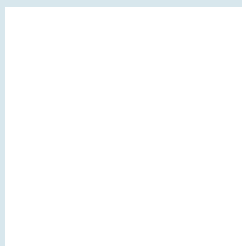
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.1809, 77.8652, 91.3459

Background



This preview shows how black text looks on a background with the XYZ color 72.1809, 77.8652, 91.3459.

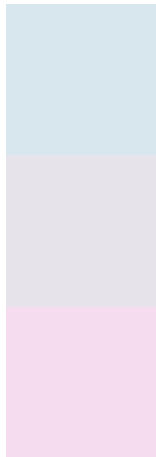


This preview shows how white text looks on a background with the XYZ color 72.1809, 77.8652,

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

72.1809, 77.8652, 91.3459

Protanopia

75.0976, 77.7593, 89.6482

Deuteranopia

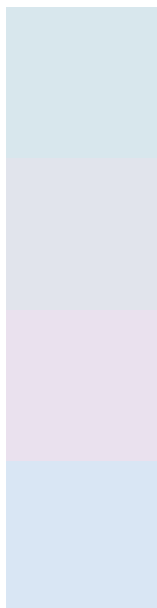
79.0926, 77.3574, 92.4242



Tritanopia

73.8760, 77.7214, 99.9150

Trichromacy



Original Color

72.1809, 77.8652, 91.3459

Protanomaly

73.9351, 77.5505, 90.4288

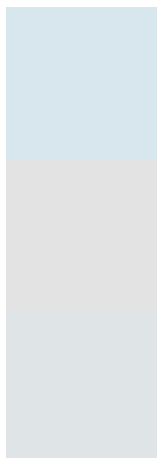
Deuteranomaly

76.2895, 77.5159, 91.8301

Tritanomaly

73.2412, 77.8770, 96.7595

Monochromacy



Original Color

72.1809, 77.8652, 91.3459

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

72.5986, 76.9443, 86.6267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.1809, 77.8652, 91.3459 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(216, 231, 237) looks like.

```
.text, #text, p{  
    color:rgb(216, 231, 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(216, 231, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 231, 237) }
```

Border

The CSS property to change the border of an element to XYZ 72.1809, 77.8652, 91.3459 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(216, 231, 237) }
```


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

```
.border{ border-color:rgb(216, 231, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 231, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 231, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 231, 237);  
box-shadow:4px 4px 4px 4px rgb(216, 231,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1809, 77.8652, 91.3459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 231, 237) }
```

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

```
.background{ background-color: rgb(216,  
231, 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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