

Converting Colors

XYZ(77.8463, 81.8602, 99.6953)

Have a look what the booklet for
XYZ(77.8463, 81.8602, 99.6953)
contains.

XYZ(77.8899, 81.8919, 99.6972)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(77.8899, 81.8919,
99.6972)**

Conversions

Conversions Part 1

Format	Color
Hex	E3EAF7
RGB	227, 234, 247
RGB Percent	89%, 92%, 97%
CMY	0.1098, 0.0823, 0.0314
CMYK	0.08, 0.05, 0.00, 0.03
HSL	219°, 56%, 93%
HSV	219°, 8%, 97%
XYZ	77.8899, 81.8919, 99.6972
YIQ	233.3890, -8.3450, 2.5590

Conversions

Conversions Part 2

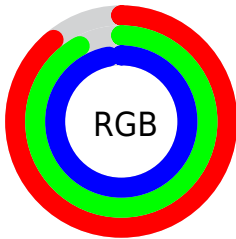
Format	Color
R_{YB}	227, 232, 247
Decimal	14936823
CIE Lab	92.53, 0.11, -7.09
CIE LCh	93, 7.095, 270.875
Yxy	81.8919, 0.3002, 0.3156
Android (android.graphics.Color)	4293126903 (0xFFE3EAF7)
YUV	233.3890, 6.7102, -5.6032
Hunter-Lab	90.4941, -4.7267, -1.9738

Details

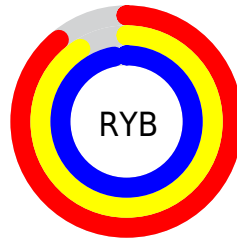
The XYZ color **77.8899, 81.8919, 99.6972** is a light color, and the websafe version is hex FFFFFF. A complement of this color would be **83.3834, 87.6399, 85.1960**, and the grayscale version is **77.7027, 81.7493, 89.0249**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.3376, 44.3730, 55.6236** is the 20% darker color. If you saturate the color by 10%, you get **66.2872, 69.4333, 97.9052**, and if you desaturate by 10%, it is **91.0290, 95.7616, 101.6831**.

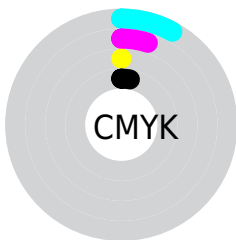
Distribution



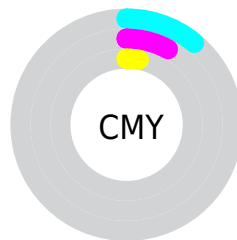
- Red (89%)
- Green (92%)
- Blue (97%)



- Red (89%)
- Yellow (91%)
- Blue (97%)



- Cyan (8%)
- Magenta (5%)
- Yellow (0%)
- Black (3%)



- Cyan (11%)
- Magenta (8%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8899, 81.8919, 99.6972 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 77.8899, 81.8919, 99.6972 by changing the saturation by 10% instead.

■ 77.8899, 81.8919,
99.6972

■ 77.8899, 81.8919,
99.6972

476.6384,
501.2860, 580.4598

■ 58.2860, 61.2764,
75.4322

129.3611,
136.0224, 162.7892

■ 42.2828, 44.4483,
55.4632

161.9591,
170.3062, 202.4534

■ 29.5149, 31.0231,
39.3716

199.6192,
209.9150, 248.0877

■ 19.6169, 20.6164,
26.7389

242.7067,
255.2330, 300.1106

■ 12.2235, 12.8439,
17.1465

291.5871,
306.6447, 358.9407

■ 6.9694, 7.3212,
10.1759

346.6255,

■ 3.4891, 3.6638,

364.5345, 424.9966

5.4086

408.1875,
429.2868, 498.6968

■ 1.4174, 1.4873,
2.4261

■ 0.2686, 0.2798,
0.8006

■ 77.8899, 81.8919,
99.6972

■ 77.8899, 81.8919,
99.6972

■ 66.2872, 69.4333,
97.9052

■ 91.0290, 95.7616,
101.6831

■ 56.1554, 58.3290,
96.2959

■ 93.7887, 99.4955,
102.2583

■ 47.4348, 48.5337,
94.8649

■ 40.0586, 39.9952,
93.6055

■ 33.9543, 32.6575,
92.5109

■ 29.0420, 26.4599,
91.5736

■ 25.2319, 21.3353,
90.7852

■ 22.4194, 17.2077,
90.1368

■ 20.4655, 13.9817,
89.6171

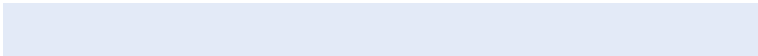
Harmonies

Analogous

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



76.1248, 81.8919, 98.3233



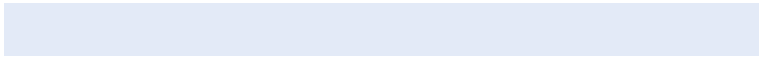
77.8899, 81.8919, 99.6972



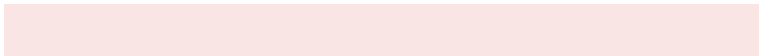
79.6674, 81.8919, 98.1581

Triad

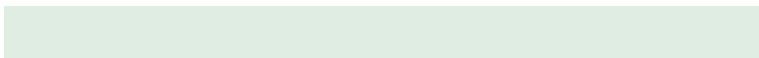
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.8899, 81.8919, 99.6972



80.9152, 81.8919, 84.0621



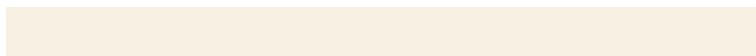
74.7829, 81.8919, 84.3203

Complementary

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



77.8899, 81.8919, 99.6972



83.3834, 87.6399, 85.1960

Split Complementary

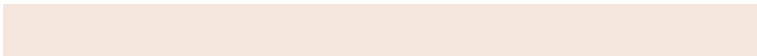
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.0325, 81.8919, 80.7413



77.8899, 81.8919, 99.6972



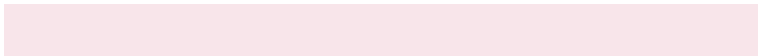
79.5723, 81.8919, 80.5963

Square

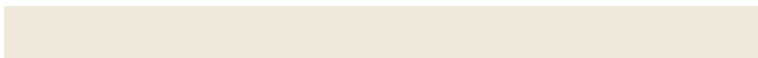
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



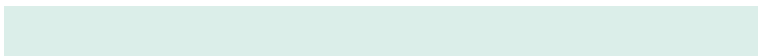
77.8899, 81.8919, 99.6972



81.4309, 81.8919, 89.0115



77.7817, 81.8919, 79.4045



74.3481, 81.8919, 89.3214

Rectangle

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



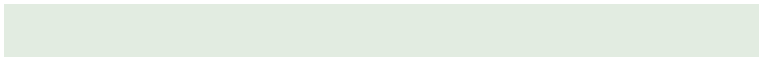
77.8899, 81.8919, 99.6972



80.6157, 81.8919, 95.7209



77.7817, 81.8919, 79.4045



75.1206, 81.8919, 82.9181

Sweetspot

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



77.8923, 81.8954, 99.6990



92.1503, 96.9492, 108.4640



80.6194, 89.1253, 95.1339



19.7544, 20.7832, 23.2203



0.0000, 0.0000, 0.0000



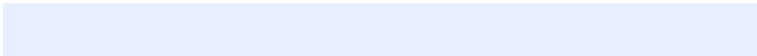
20.3446, 21.4041, 23.3091

Same Dimension

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



77.8923, 81.8954, 99.6990



81.2225, 85.3597, 106.8029



76.7853, 78.4231, 99.0871



16.0558, 16.8758, 20.9537



10.7797, 7.3532, 47.3892



1.0401, 0.8316, 4.1959

Inverse Universe

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



80.6800, 80.6546, 89.1614



84.8936, 83.7740, 92.9155



84.5513, 91.3618, 85.8529



16.7387, 16.5783, 18.3707



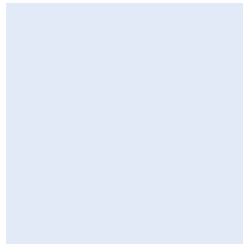
21.2456, 10.8417, 6.0017



1.9141, 0.9716, 0.7738

Previews

White Background



This preview shows how the XYZ color 77.8899, 81.8919, 99.6972 looks on a white background.

Color Contrast Check

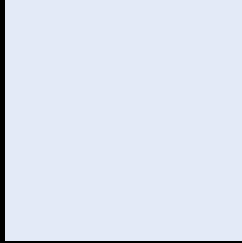
Large Text (above 18pt) WCAG AA × Fail

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 77.8899, 81.8919, 99.6972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

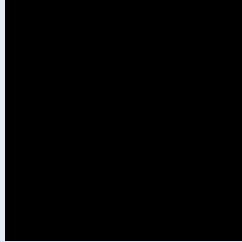
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

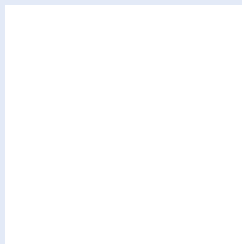
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.8899, 81.8919, 99.6972

Background



This preview shows how black text looks on a background with the XYZ color 77.8899, 81.8919, 99.6972.



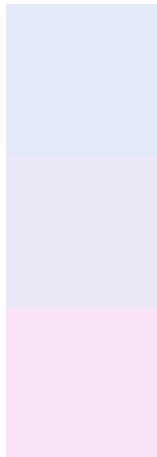
This preview shows how white text looks on a background with the XYZ color 77.8899, 81.8919,

99.6972.

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

77.8899, 81.8919, 99.6972

Protanopia

79.4228, 81.8595, 98.8032

Deuteranopia

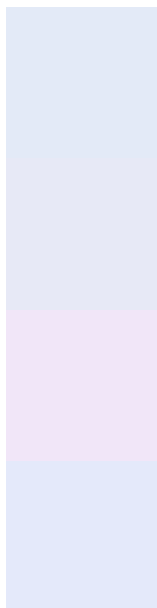
83.4793, 81.8552, 100.2067



Tritanopia

78.7045, 81.8001, 103.7363

Trichromacy



Original Color

77.8899, 81.8919, 99.6972

Protanomaly

78.7285, 81.9206, 98.8516

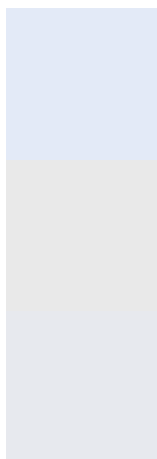
Deuteranomaly

81.5157, 82.0717, 100.3520

Tritanomaly

78.3891, 81.6739, 102.0756

Monochromacy



Original Color

77.8899, 81.8919, 99.6972

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.5265, 81.4398, 92.5223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8899, 81.8919, 99.6972 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, 234, 247)` looks like.

```
.text, #text, p{  
    color:rgb(227, 234, 247)  
}
```

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, 234, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 234, 247) }
```

Border

The CSS property to change the border of an element to XYZ 77.8899, 81.8919, 99.6972 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, 234, 247) }
```


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

```
.border{ border-color:rgb(227, 234, 247) }
```

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

Here you see how a box with a 4 pixel rgb(227, 234, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 234, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 234, 247);  
box-shadow:4px 4px 4px 4px rgb(227, 234,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8899, 81.8919, 99.6972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 234, 247) }
```

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

```
.background{ background-color: rgb(227,  
234, 247) }
```

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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