

Converting Colors

XYZ(77.2807, 82.9946, 96.9001)

Have a look what the booklet for
XYZ(77.2807, 82.9946, 96.9001)
contains.

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Color

**XYZ(77.2023, 82.8867,
96.7238)**

Conversions

Conversions Part 1

Format	Color
Hex	E0EDF3
RGB	224, 237, 243
RGB Percent	88%, 93%, 95%
CMY	0.1216, 0.0706, 0.0471
CMYK	0.08, 0.02, 0.00, 0.05
HSL	199°, 44%, 92%
HSV	199°, 8%, 95%
XYZ	77.2023, 82.8867, 96.7238
YIQ	233.7970, -9.6740, -0.8900

Conversions

Conversions Part 2

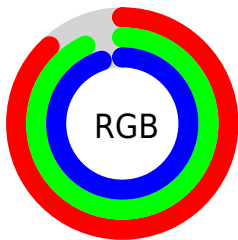
Format	Color
R_{YB}	224, 232, 243
Decimal	14740979
CIE _{Lab}	92.96, -3.16, -4.39
CIE _{LCh}	93, 5.408, 234.255
Yxy	82.8867, 0.3006, 0.3228
Android (android.graphics.Color)	4292931059 (0xFFE0EDF3)
YUV	233.7970, 4.5371, -8.5920
Hunter-Lab	91.0421, -7.9585, 0.7394

Details

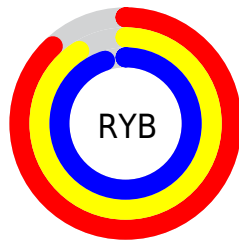
The XYZ color **77.2023, 82.8867, 96.7238** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.7139, 81.0296, 82.0140**, and the grayscale version is **78.0272, 82.0907, 89.3968**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8557, 45.0706, 53.5072** is the 20% darker color. If you saturate the color by 10%, you get **68.0301, 74.9343, 95.6735**, and if you desaturate by 10%, it is **87.5505, 91.5909, 97.8598**.

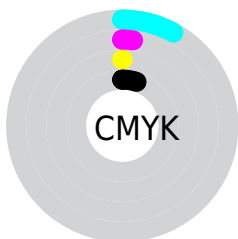
Distribution



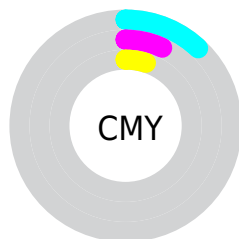
- Red (88%)
- Green (93%)
- Blue (95%)



- Red (88%)
- Yellow (91%)
- Blue (95%)



- Cyan (8%)
- Magenta (2%)
- Yellow (0%)
- Black (5%)



- Cyan (12%)
- Magenta (7%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2023, 82.8867, 96.7238 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 77.2023, 82.8867, 96.7238 by changing the saturation by 10% instead.

■ 77.2023, 82.8867,
96.7238

■ 77.2023, 82.8867,
96.7238

474.3349,
504.6088, 570.7936

■ 57.7194, 62.0967,
72.9657

128.3963,
137.4168, 158.6600

■ 41.8255, 45.1108,
53.4563

160.8382,
171.9256, 197.6751

■ 29.1552, 31.5447,
37.7769

198.3305,
211.7762, 242.6131

■ 19.3431, 21.0140,
25.5091

241.2385,
257.3529, 293.8924

■ 12.0240, 13.1342,
16.2343

289.9275,
309.0401, 351.9316

■ 6.8323, 7.5210,
9.5340

344.7631,

■ 3.4028, 3.7900,

367.2222, 417.1491

4.9895

406.1104,
432.2837, 489.9636

■ 1.3702, 1.5568,
2.1825

■ 0.2348, 0.3282,
0.6642

■ 77.2023, 82.8867,
96.7238

■ 77.2023, 82.8867,
96.7238

■ 68.0301, 74.9343,
95.6735

■ 87.5505, 91.5909,
97.8598

■ 59.9803, 67.6974,
94.7010

■ 92.3364, 97.5681,
98.7612

■ 53.0052, 61.1521,
93.8052

■ 93.1779, 99.2512,
99.0417

■ 47.0512, 55.2689,
92.9834

■ 42.0595, 50.0155,
92.2325

■ 37.9649, 45.3566,
91.5491

■ 34.6936, 41.2521,
90.9293

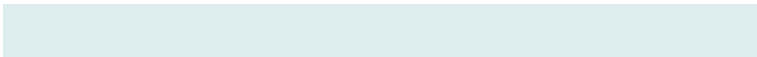
■ 32.1588, 37.6554,
90.3686

■ 30.2436, 34.5041,
89.8613

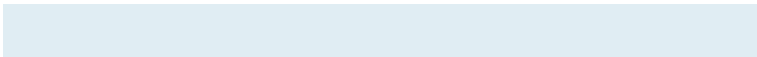
Harmonies

Analogous

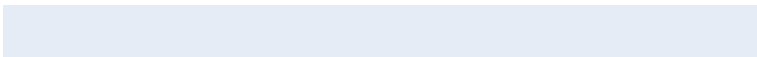
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.3262, 82.8867, 93.4891



77.2023, 82.8867, 96.7238



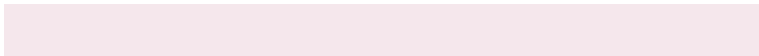
78.5092, 82.8867, 98.2280

Triad

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



77.2023, 82.8867, 96.7238



81.5200, 82.8867, 91.0319



77.6687, 82.8867, 83.3289

Complementary

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



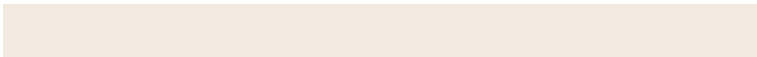
77.2023, 82.8867, 96.7238



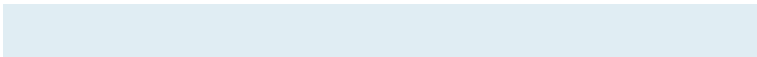
78.7139, 81.0296, 82.0140

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.



79.0540, 82.8867, 82.7152



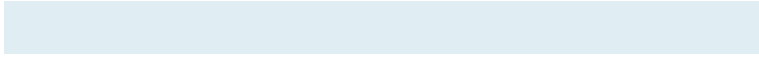
77.2023, 82.8867, 96.7238



81.2885, 82.8867, 87.0857

Square

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



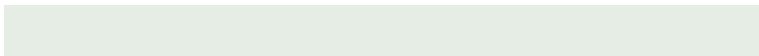
77.2023, 82.8867, 96.7238



81.0107, 82.8867, 94.8793



80.3817, 82.8867, 84.0708



76.5933, 82.8867, 85.7729

Rectangle

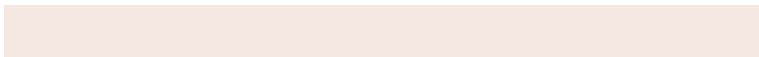
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



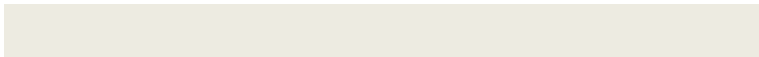
77.2023, 82.8867, 96.7238



79.4533, 82.8867, 98.0157



80.3817, 82.8867, 84.0708



78.1131, 82.8867, 82.9048

Sweetspot

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



77.2047, 82.8902, 96.7256



92.6872, 98.0229, 108.6429



77.0332, 85.6462, 87.1149



19.8637, 21.0017, 23.2568



0.0000, 0.0000, 0.0000



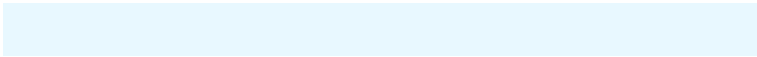
20.3446, 21.4041, 23.3091

Same Dimension

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



77.2047, 82.8902, 96.7256



84.8377, 91.3696, 107.7724



74.6079, 77.6966, 95.8600



16.5299, 17.8241, 21.1117



16.5201, 18.8339, 49.3026



1.5439, 1.8392, 4.3639

Inverse Universe

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



78.9057, 78.4821, 91.1146



87.0163, 85.7636, 100.5771



81.3431, 86.2881, 82.8904



16.9780, 16.6741, 19.6309



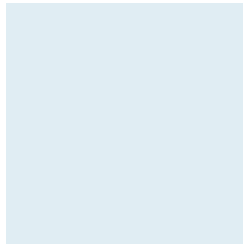
24.1431, 12.0007, 21.2597



2.1683, 1.0733, 2.1129

Previews

White Background



This preview shows how the XYZ color 77.2023, 82.8867, 96.7238 looks on a white background.

Color Contrast Check

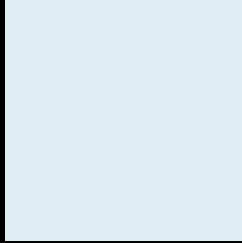
Large Text (above 18pt) WCAG AA × Fail

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 77.2023, 82.8867, 96.7238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

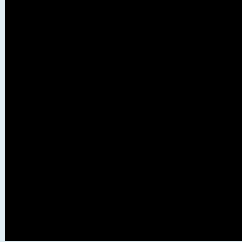
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

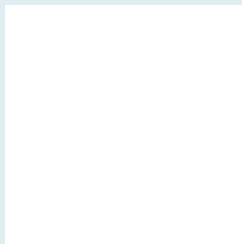
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.2023, 82.8867, 96.7238

Background



This preview shows how black text looks on a background with the XYZ color 77.2023, 82.8867, 96.7238.



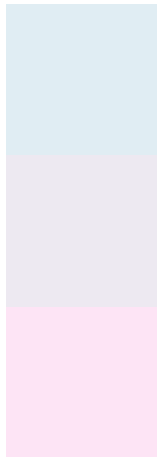
This preview shows how white text looks on a background with the XYZ color 77.2023, 82.8867,

96.7238.

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

77.2023, 82.8867, 96.7238

Protanopia

79.9411, 82.6332, 94.9555

Deuteranopia

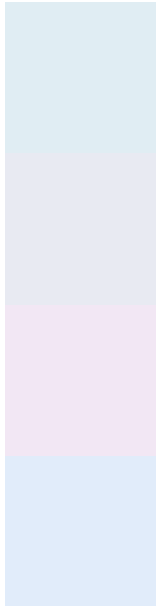
84.7328, 82.9620, 97.9336



Tritanopia

78.9618, 82.7412, 105.5748

Trichromacy



Original Color

77.2023, 82.8867, 96.7238

Protanomaly

78.7285, 82.4122, 95.7621

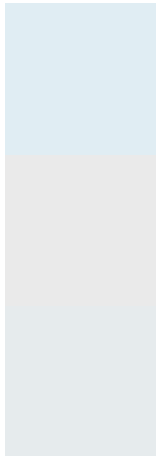
Deuteranomaly

81.5230, 82.5607, 97.2270

Tritanomaly

78.3021, 82.9006, 102.3169

Monochromacy



Original Color

77.2023, 82.8867, 96.7238

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.6275, 82.3541, 91.9253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.2023, 82.8867, 96.7238 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(224, 237, 243) looks like.

```
.text, #text, p{  
    color:rgb(224, 237, 243)  
}
```

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(224, 237, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 237, 243) }
```

Border

The CSS property to change the border of an element to XYZ 77.2023, 82.8867, 96.7238 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(224, 237, 243) }
```


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

```
.border{ border-color:rgb(224, 237, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 237, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 237, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 237, 243);  
box-shadow:4px 4px 4px 4px rgb(224, 237,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 77.2023, 82.8867, 96.7238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 237, 243) }
```

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

```
.background{ background-color: rgb(224,  
237, 243) }
```

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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