

Converting Colors

XYZ(77.2374, 82.8593, 91.7679)

Have a look what the booklet for
XYZ(77.2374, 82.8593, 91.7679)
contains.

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Color

**XYZ(77.2488, 83.0137,
92.0726)**

Conversions

Conversions Part 1

Format	Color
Hex	E3EDED
RGB	227, 237, 237
RGB Percent	89%, 93%, 93%
CMY	0.1098, 0.0706, 0.0706
CMYK	0.04, 0.00, 0.00, 0.07
HSL	180°, 22%, 91%
HSV	180°, 4%, 93%
XYZ	77.2488, 83.0137, 92.0726
YIQ	234.0100, -5.9600, -2.1200

Conversions

Conversions Part 2

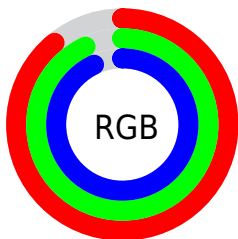
Format	Color
R _Y B	227, 232, 237
Decimal	14937581
CIE Lab	93.02, -3.31, -1.16
CIE LCh	93, 3.503, 199.350
Yxy	83.0137, 0.3061, 0.3290
Android (android.graphics.Color)	4293127661 (0xFFE3EDED)
YUV	234.0100, 1.4741, -6.1478
Hunter-Lab	91.1119, -8.1053, 3.8631

Details

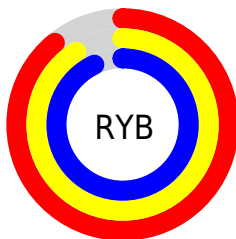
The XYZ color **77.2488, 83.0137, 92.0726** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.2623, 78.4909, 83.8078**, and the grayscale version is **78.2088, 82.2817, 89.6048**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8776, 45.1546, 50.2246** is the 20% darker color. If you saturate the color by 10%, you get **70.2815, 79.4244, 91.7414**, and if you desaturate by 10%, it is **85.2499, 87.1406, 92.4556**.

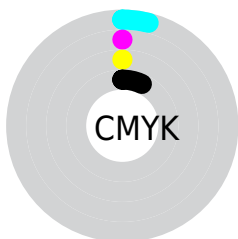
Distribution



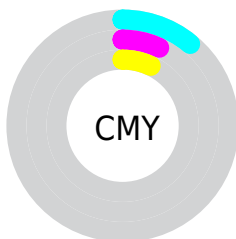
- Red (89%)
- Green (93%)
- Blue (93%)



- Red (89%)
- Yellow (91%)
- Blue (93%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2488, 83.0137, 92.0726 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 77.2488, 83.0137, 92.0726 by changing the saturation by 10% instead.

■ 77.2488, 83.0137,
92.0726

■ 77.2488, 83.0137,
92.0726

474.4908,
505.0322, 555.4932

■ 57.7577, 62.2015,
69.1176

128.4616,
137.5946, 152.1746

■ 41.8564, 45.1955,
50.3351

160.9141,
172.1321, 190.1586

■ 29.1795, 31.6114,
35.3067

198.4177,
212.0135, 233.9894

■ 19.3616, 21.0649,
23.6138

241.3378,
257.6231, 284.0854

■ 12.0374, 13.1714,
14.8378

290.0399,
309.3454, 340.8653

■ 6.8415, 7.5467,
8.5603

344.8891,

■ 3.4086, 3.8063,

367.5648, 404.7475

4.3626

406.2510,
432.6655, 476.1507

■ 1.3734, 1.5658,
1.8263

■ 0.2371, 0.3344,
0.4452

■ 77.2488, 83.0137,
92.0726

■ 77.2488, 83.0137,
92.0726

■ 70.2815, 79.4244,
91.7414

■ 85.2499, 87.1406,
92.4556

■ 64.2990, 76.3404,
91.4547


■ 86.8147, 87.9471,
92.5356


■ 59.2591, 73.7425,
91.2120


■ 86.8160, 87.9476,
92.5425


■ 55.1138, 71.6056,
91.0112


■ 86.8173, 87.9481,
92.5493


 51.8108, 69.9030,
90.8498


 86.8186, 87.9487,
92.5562


 49.2923, 68.6048,
90.7252


 86.8199, 87.9492,
92.5630


 47.4935, 67.6776,
90.6342

 86.8212, 87.9497,
92.5699

 46.3389, 67.0826,
90.5734

 86.8225, 87.9502,
92.5768

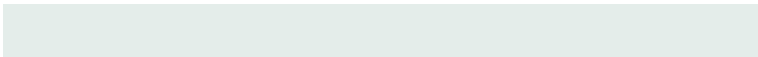
 45.7368, 66.7723,
90.5384

 86.8238, 87.9508,
92.5836

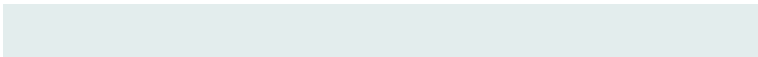
Harmonies

Analogous

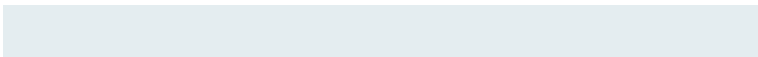
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.1805, 83.0137, 89.4570



77.2488, 83.0137, 92.0726



77.7581, 83.0137, 94.2765

Triad

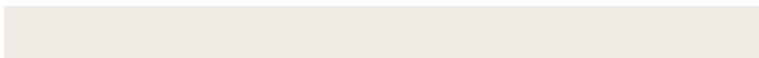
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.2488, 83.0137, 92.0726



80.2484, 83.0137, 93.7201



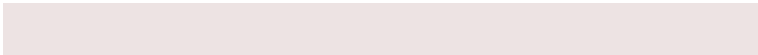
79.2286, 83.0137, 85.5116

Complementary

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



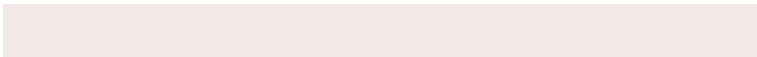
77.2488, 83.0137, 92.0726



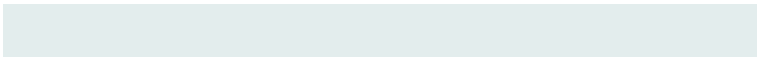
76.2623, 78.4909, 83.8078

Split Complementary

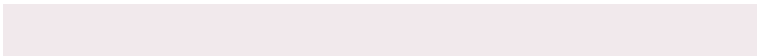
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.0571, 83.0137, 86.6076



77.2488, 83.0137, 92.0726



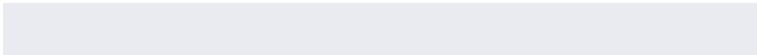
80.6490, 83.0137, 91.3250

Square

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



77.2488, 83.0137, 92.0726



79.4881, 83.0137, 95.2403



80.5787, 83.0137, 88.7237



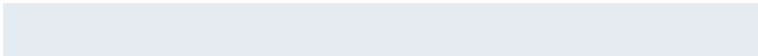
78.3188, 83.0137, 85.7030

Rectangle

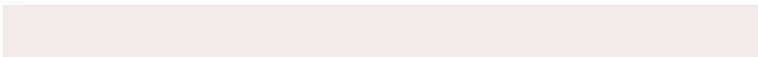
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



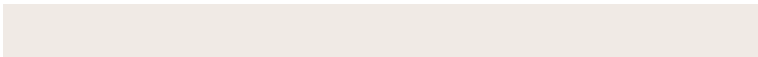
77.2488, 83.0137, 92.0726



78.2814, 83.0137, 95.1997



80.5787, 83.0137, 88.7237



79.5260, 83.0137, 85.7408

Sweetspot

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



77.2512, 83.0172, 92.0744



94.1179, 99.5195, 108.8556



75.8828, 82.4760, 84.5943



20.1549, 21.3063, 23.3000



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

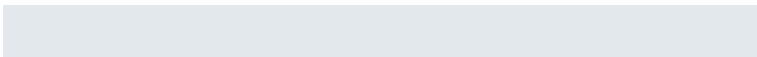
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.2512, 83.0172, 92.0744



90.5131, 97.6612, 108.6836



75.8705, 80.2551, 91.6169



16.0878, 17.4158, 19.4351



24.8727, 36.4035, 49.4220



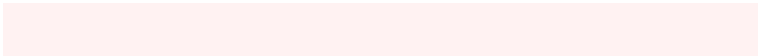
1.9532, 2.8586, 3.8812

Inverse Universe

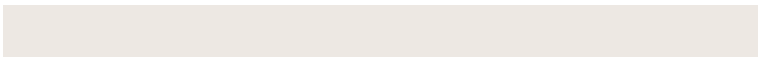
The Inverse Universe completely reimagines the original color for something new.



76.2623, 78.4909, 83.8078



89.1319, 91.3393, 97.1377



77.6029, 81.1730, 84.2521



15.8096, 16.1428, 17.1101



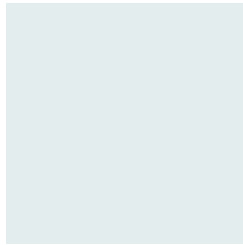
19.0682, 9.8300, 0.8943



1.4974, 0.7719, 0.0707

Previews

White Background



This preview shows how the XYZ color 77.2488, 83.0137, 92.0726 looks on a white background.

Color Contrast Check

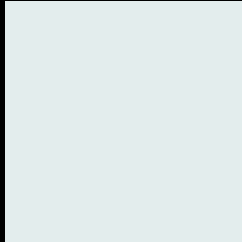
Large Text (above 18pt) WCAG AA × Fail

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 77.2488, 83.0137, 92.0726 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

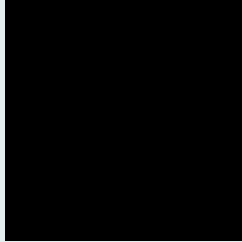
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

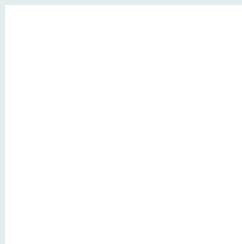
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.2488, 83.0137, 92.0726

Background



This preview shows how black text looks on a background with the XYZ color 77.2488, 83.0137, 92.0726.



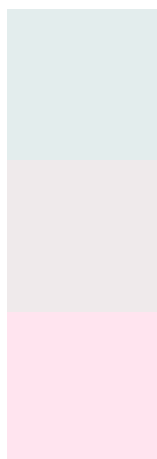
This preview shows how white text looks on a background with the XYZ color 77.2488, 83.0137,

92.0726.

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

77.2488, 83.0137, 92.0726

Protanopia

80.0148, 83.1945, 90.4382

Deuteranopia

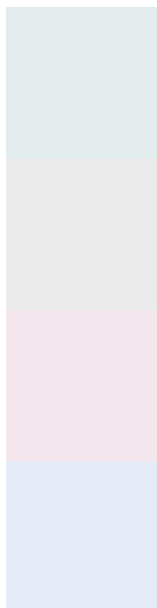
84.5634, 82.9788, 93.2209



Tritanopia

80.0711, 83.3315, 104.7929

Trichromacy



Original Color

77.2488, 83.0137, 92.0726

Protanomaly

79.1096, 83.1350, 91.2340

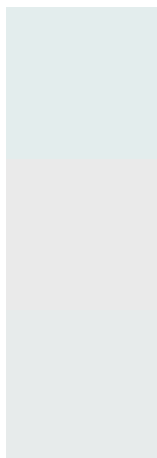
Deuteranomaly

81.6647, 82.7374, 92.5546

Tritanomaly

79.0971, 83.3643, 99.9177

Monochromacy



Original Color

77.2488, 83.0137, 92.0726

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.6587, 82.4037, 90.4097

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.2488, 83.0137, 92.0726 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, 237, 237) looks like.

```
.text, #text, p{  
    color:rgb(227, 237, 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, 237, 237) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 77.2488, 83.0137, 92.0726 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, 237, 237) }
```


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

```
.border{ border-color:rgb(227, 237, 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, 237, 237)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 77.2488, 83.0137, 92.0726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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