

Converting Colors

XYZ(77.7297, 83.0903, 93.5583)

Have a look what the booklet for
XYZ(77.7297, 83.0903, 93.5583)
contains.

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Color

**XYZ(77.8591, 83.2943,
93.6352)**

Conversions

Conversions Part 1

Format	Color
Hex	E4EDEF
RGB	228, 237, 239
RGB Percent	89%, 93%, 94%
CMY	0.1059, 0.0706, 0.0627
CMYK	0.05, 0.01, 0.00, 0.06
HSL	191°, 26%, 92%
HSV	191°, 5%, 94%
XYZ	77.8591, 83.2943, 93.6352
YIQ	234.5370, -6.0060, -1.2860

Conversions

Conversions Part 2

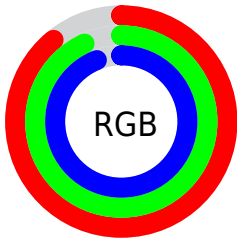
Format	Color
R _Y B	228, 233, 239
Decimal	15003119
CIE Lab	93.14, -2.61, -2.01
CIE LCh	93, 3.295, 217.658
Yxy	83.2943, 0.3056, 0.3269
Android (android.graphics.Color)	4293193199 (0xFFE4EDEF)
YUV	234.5370, 2.2003, -5.7329
Hunter-Lab	91.2657, -7.4360, 3.0567

Details

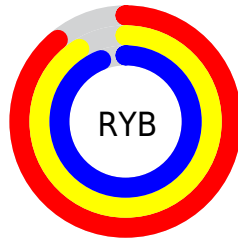
The XYZ color **77.8591, 83.2943, 93.6352** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **77.8974, 80.5452, 84.8413**, and the grayscale version is **78.6028, 82.6963, 90.0563**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.3047, 45.3509, 51.3236** is the 20% darker color. If you saturate the color by 10%, you get **69.5549, 77.1736, 92.8927**, and if you desaturate by 10%, it is **87.2466, 90.0231, 94.4405**.

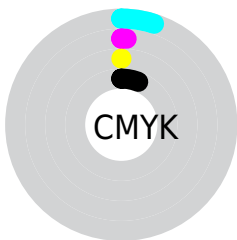
Distribution



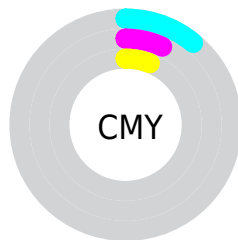
- Red (89%)
- Green (93%)
- Blue (94%)



- Red (89%)
- Yellow (91%)
- Blue (94%)



- Cyan (5%)
- Magenta (1%)
- Yellow (0%)
- Black (6%)



- Cyan (11%)
- Magenta (7%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8591, 83.2943, 93.6352 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 77.8591, 83.2943, 93.6352 by changing the saturation by 10% instead.

■ 77.8591, 83.2943,
93.6352

■ 77.8591, 83.2943,
93.6352

476.5353,
505.9668, 560.6588

■ 58.2606, 62.4330,
70.4090

129.3179,
137.9876, 154.3570

■ 42.2623, 45.3826,
51.3812

161.9089,
172.5883, 192.6897

■ 29.4987, 31.7589,
36.1332

199.5615,
212.5376, 236.8950

■ 19.6046, 21.1774,
24.2466

242.6410,
258.2199, 287.3914

■ 12.2145, 13.2538,
15.3027

291.5128,
310.0196, 344.5974

■ 6.9632, 7.6035,
8.8832

346.5422,

■ 3.4852, 3.8423,

368.3210, 408.9316

4.5693

408.0946,
433.5087, 480.8125

■ 1.4152, 1.5858,
1.9426

■ 0.2671, 0.3480,
0.5196

■ 77.8591, 83.2943,
93.6352

■ 77.8591, 83.2943,
93.6352

■ 69.5549, 77.1736,
92.8927

■ 87.2466, 90.0231,
94.4405

■ 62.2838, 71.6281,
92.2056

■ 89.6790, 93.2096,
94.9273

■ 56.0025, 66.6372,
91.5733

■ 91.0116, 95.8748,
95.3715

■ 50.6614, 62.1752,
90.9936

■ 92.3752, 98.6020,
95.8261

■ 46.2069, 58.2141,
90.4638

■ 92.5802, 99.0121,
95.8944

■ 42.5794, 54.7228,
89.9811

■ 39.7123, 51.6667,
89.5423

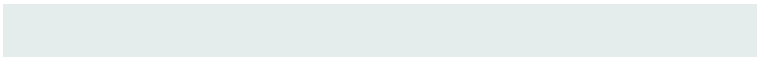
■ 37.5279, 49.0053,
89.1437

■ 35.9310, 46.6894,
88.7809

Harmonies

Analogous

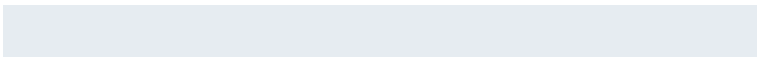
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.5315, 83.2943, 91.3297



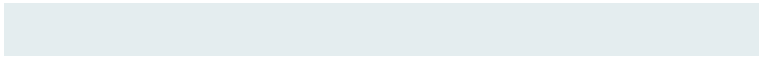
77.8591, 83.2943, 93.6352



78.5381, 83.2943, 95.1715

Triad

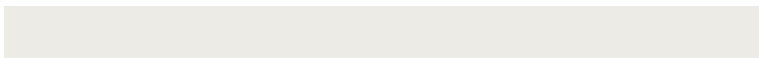
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.8591, 83.2943, 93.6352



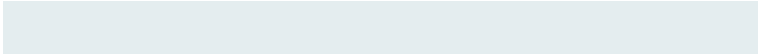
80.7173, 83.2943, 92.5164



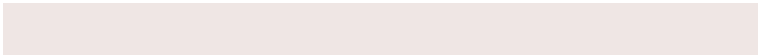
78.9473, 83.2943, 86.0532

Complementary

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



77.8591, 83.2943, 93.6352



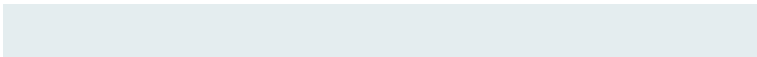
77.8974, 80.5452, 84.8413

Split Complementary

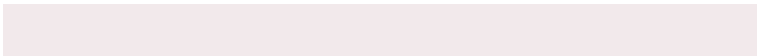
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.8028, 83.2943, 86.3579



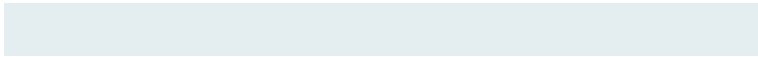
77.8591, 83.2943, 93.6352



80.8288, 83.2943, 90.0599

Square

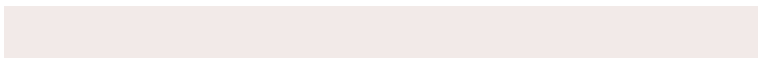
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



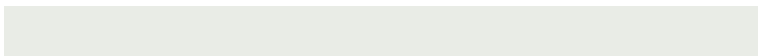
77.8591, 83.2943, 93.6352



80.1894, 83.2943, 94.5174



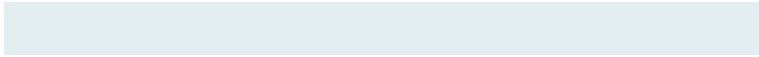
80.4930, 83.2943, 87.8137



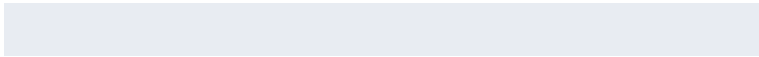
78.1568, 83.2943, 86.9738

Rectangle

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



77.8591, 83.2943, 93.6352



79.1008, 83.2943, 95.5372



80.4930, 83.2943, 87.8137



79.2367, 83.2943, 86.0160

Sweetspot

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



77.8615, 83.2978, 93.6370



93.9706, 99.2246, 108.8072



77.1223, 83.9322, 86.8774



20.1250, 21.2463, 23.2902



0.0000, 0.0000, 0.0000



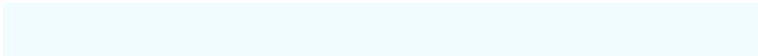
20.3446, 21.4041, 23.3091

Same Dimension

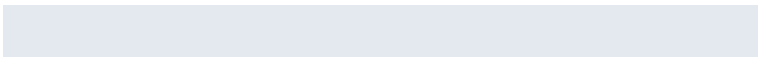
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.8615, 83.2978, 93.6370



88.7639, 95.4538, 108.3538



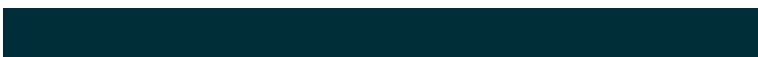
76.3391, 80.2532, 93.1296



16.5118, 17.7960, 20.2863



19.5606, 25.3454, 48.9891



1.6901, 2.2341, 4.0964

Inverse Universe

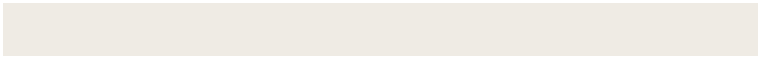
The Inverse Universe completely reimagines the original color for something new.



78.6279, 79.9536, 91.4133



89.9179, 90.4461, 104.9996



79.4054, 83.5613, 85.3440



16.7493, 16.7678, 19.5954



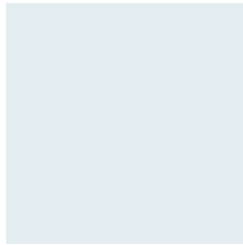
25.1989, 12.3520, 30.0276



2.1280, 1.0402, 2.6650

Previews

White Background



This preview shows how the XYZ color 77.8591, 83.2943, 93.6352 looks on a white background.

Color Contrast Check

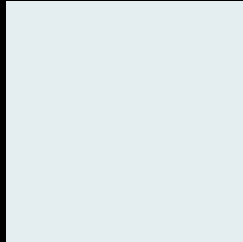
Large Text (above 18pt) WCAG AA × Fail

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 77.8591, 83.2943, 93.6352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

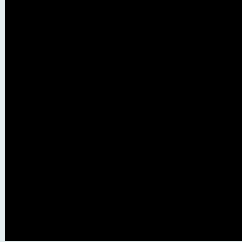
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

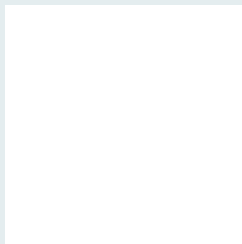
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.8591, 83.2943, 93.6352

Background



This preview shows how black text looks on a background with the XYZ color 77.8591, 83.2943, 93.6352.



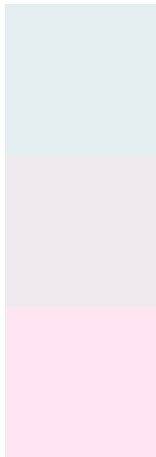
This preview shows how white text looks on a background with the XYZ color 77.8591, 83.2943,

93.6352.

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

77.8591, 83.2943, 93.6352

Protanopia

80.3055, 83.3108, 91.9688

Deuteranopia

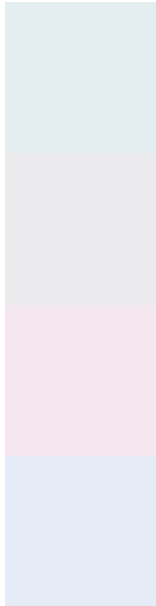
84.8606, 83.0977, 94.7859



Tritanopia

80.0711, 83.3315, 104.7929

Trichromacy



Original Color

77.8591, 83.2943, 93.6352

Protanomaly

79.4019, 83.2519, 92.7732

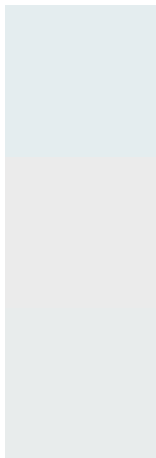
Deuteranomaly

81.9603, 82.8556, 94.1110

Tritanomaly

79.2518, 83.4262, 100.7328

Monochromacy



Original Color

77.8591, 83.2943, 93.6352

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.4145, 83.2028, 91.2837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8591, 83.2943, 93.6352 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(228, 237, 239) looks like.

```
.text, #text, p{  
    color:rgb(228, 237, 239)  
}
```

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(228, 237, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 237, 239) }
```

Border

The CSS property to change the border of an element to XYZ 77.8591, 83.2943, 93.6352 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(228, 237, 239) }
```


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

```
.border{ border-color:rgb(228, 237, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 237, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 237, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 237, 239);  
box-shadow:4px 4px 4px 4px rgb(228, 237,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8591, 83.2943, 93.6352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 237, 239) }
```

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

```
.background{ background-color: rgb(228,  
237, 239) }
```

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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