

Converting Colors

XYZ(77.5759, 82.9169, 95.1430)

Have a look what the booklet for
XYZ(77.5759, 82.9169, 95.1430)
contains.

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Color

**XYZ(77.8399, 83.2501,
95.1854)**

Conversions

Conversions Part 1

Format	Color
Hex	E3EDF1
RGB	227, 237, 241
RGB Percent	89%, 93%, 95%
CMY	0.1098, 0.0706, 0.0549
CMYK	0.06, 0.02, 0.00, 0.05
HSL	197°, 33%, 92%
HSV	197°, 6%, 95%
XYZ	77.8399, 83.2501, 95.1854
YIQ	234.4660, -7.2440, -0.8760

Conversions

Conversions Part 2

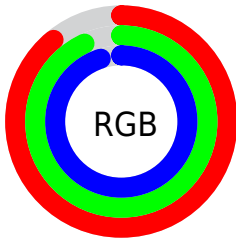
Format	Color
R _Y B	227, 233, 241
Decimal	14937585
CIE Lab	93.12, -2.56, -3.09
CIE LCh	93, 4.015, 230.320
Yxy	83.2501, 0.3037, 0.3248
Android (android.graphics.Color)	4293127665 (0xFFE3EDF1)
YUV	234.4660, 3.2213, -6.5477
Hunter-Lab	91.2415, -7.3908, 2.0162

Details

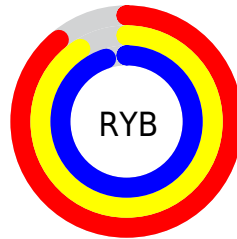
The XYZ color **77.8399, 83.2501, 95.1854** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.7170, 81.3980, 84.2369**, and the grayscale version is **78.5421, 82.6324, 89.9867**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2941, 45.3212, 52.4177** is the 20% darker color. If you saturate the color by 10%, you get **68.8111, 75.6974, 94.2047**, and if you desaturate by 10%, it is **88.0139, 91.5112, 96.2450**.

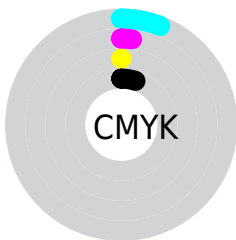
Distribution



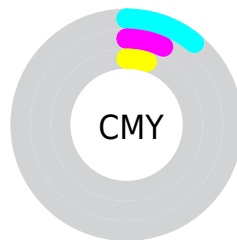
- Red (89%)
- Green (93%)
- Blue (95%)



- Red (89%)
- Yellow (91%)
- Blue (95%)



- Cyan (6%)
- Magenta (2%)
- Yellow (0%)
- Black (5%)



- Cyan (11%)
- Magenta (7%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8399, 83.2501, 95.1854 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 77.8399, 83.2501, 95.1854 by changing the saturation by 10% instead.

■ 77.8399, 83.2501,
95.1854

■ 77.8399, 83.2501,
95.1854

476.4711,
505.8197, 565.7578

■ 58.2448, 62.3965,
71.6916

129.2910,
137.9257, 156.5185

■ 42.2495, 45.3532,
52.4215

161.8776,
172.5165, 195.1948

■ 29.4887, 31.7357,
36.9566

199.5256,
212.4551, 239.7691

■ 19.5969, 21.1597,
24.8783

242.6001,
258.1259, 290.6598

■ 12.2090, 13.2408,
15.7682

291.4665,
309.9134, 348.2854

■ 6.9594, 7.5946,
9.2077

346.4902,

■ 3.4828, 3.8366,

368.2020, 413.0647

4.7783

408.0367,
433.3759, 485.4159

■ 1.4139, 1.5826,
2.0613

■ 0.2661, 0.3458,
0.5926

■ 77.8399, 83.2501,
95.1854

■ 77.8399, 83.2501,
95.1854

■ 68.8111, 75.6974,
94.2047

■ 88.0139, 91.5112,
96.2450

■ 60.8755, 68.8181,
93.2951

■ 91.5410, 96.4582,
97.0140

■ 53.9877, 62.5899,
92.4560

■ 92.8774, 99.1310,
97.4594

■ 48.0961, 56.9849,
91.6847

■ 43.1444, 51.9728,
90.9782

■ 39.0708, 47.5202,
90.3335

■ 35.8050, 43.5897,
89.7469

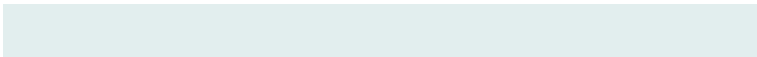
■ 33.2654, 40.1378,
89.2145

■ 31.3513, 37.1111,
88.7312

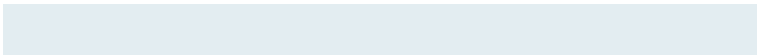
Harmonies

Analogous

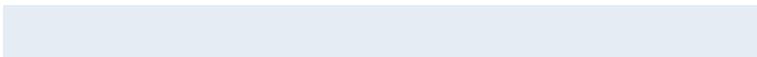
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.2416, 83.2501, 92.6755



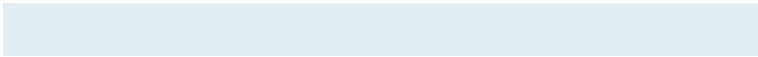
77.8399, 83.2501, 95.1854



78.7865, 83.2501, 96.4872

Triad

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



77.8399, 83.2501, 95.1854



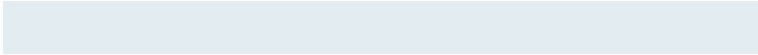
81.1411, 83.2501, 91.6246



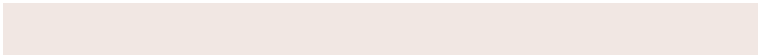
78.4251, 83.2501, 85.3111

Complementary

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



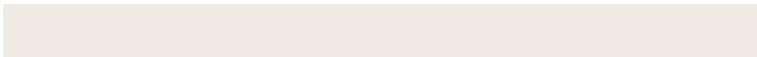
77.8399, 83.2501, 95.1854



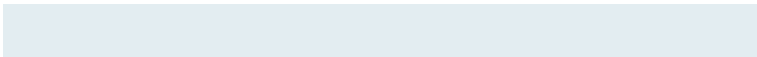
78.7170, 81.3980, 84.2369

Split Complementary

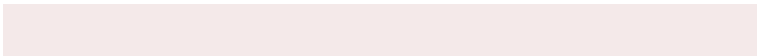
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.4680, 83.2501, 85.0439



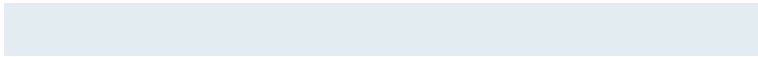
77.8399, 83.2501, 95.1854



81.0423, 83.2501, 88.6448

Square

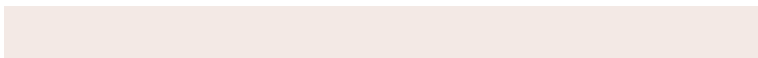
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



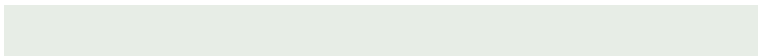
77.8399, 83.2501, 95.1854



80.6965, 83.2501, 94.4015



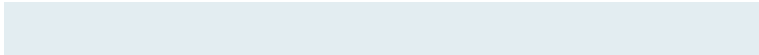
80.4276, 83.2501, 86.2517



77.5774, 83.2501, 86.9899

Rectangle

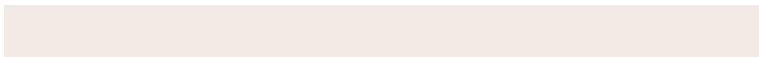
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



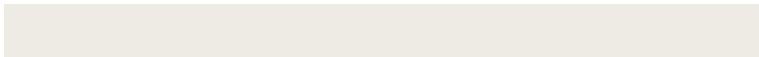
77.8399, 83.2501, 95.1854



79.4903, 83.2501, 96.4755



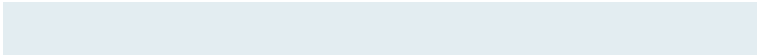
80.4276, 83.2501, 86.2517



78.7643, 83.2501, 85.0547

Sweetspot

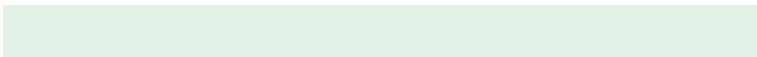
The Sweet Spot groups the original color and five complimentary colors.



77.8423, 83.2536, 95.1872



92.7358, 98.1202, 108.6591



77.5543, 85.0105, 87.8991



19.8736, 21.0215, 23.2601



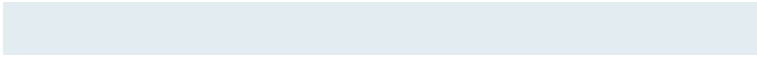
0.0000, 0.0000, 0.0000



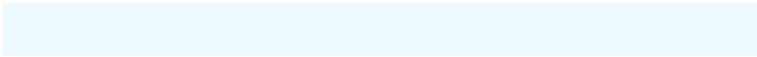
20.3446, 21.4041, 23.3091

Same Dimension

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



77.8423, 83.2536, 95.1872



87.1811, 93.5623, 108.0721



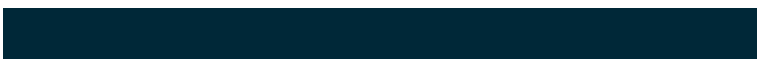
75.8631, 79.2953, 94.5275



16.2186, 17.4332, 20.2317



16.7518, 19.7278, 48.0528



1.4780, 1.8099, 4.0257

Inverse Universe

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



79.0326, 79.7550, 91.3536



88.8080, 88.8114, 102.8257



80.7069, 85.3779, 84.9002



16.5467, 16.4779, 19.1729



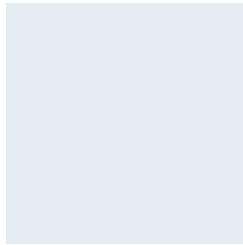
23.7811, 11.7849, 22.5618



2.0209, 0.9974, 2.1012

Previews

White Background



This preview shows how the XYZ color 77.8399, 83.2501, 95.1854 looks on a white background.

Color Contrast Check

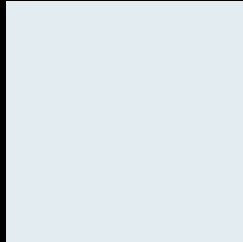
Large Text (above 18pt) WCAG AA × Fail

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 77.8399, 83.2501, 95.1854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

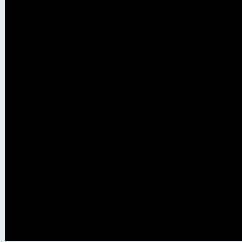
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

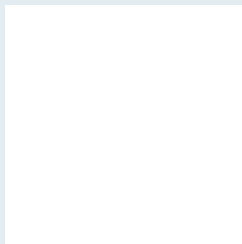
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.8399, 83.2501, 95.1854

Background



This preview shows how black text looks on a background with the XYZ color 77.8399, 83.2501, 95.1854.



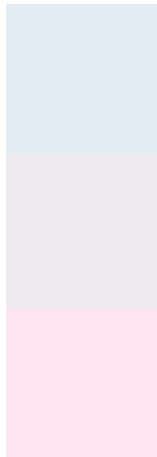
This preview shows how white text looks on a background with the XYZ color 77.8399, 83.2501,

95.1854.

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

77.8399, 83.2501, 95.1854

Protanopia

80.2627, 83.2548, 93.5008

Deuteranopia

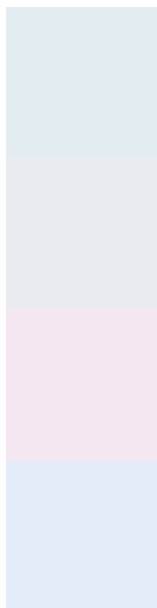
84.7941, 83.0287, 96.3510



Tritanopia

79.9108, 83.2304, 105.6193

Trichromacy



Original Color

77.8399, 83.2501, 95.1854

Protanomaly

79.3682, 83.2004, 94.3142

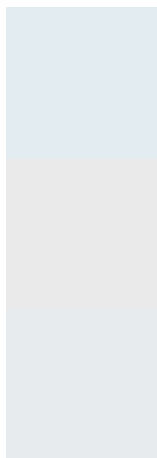
Deuteranomaly

81.9112, 82.7957, 95.6684

Tritanomaly

79.0892, 83.3244, 101.5373

Monochromacy



Original Color

77.8399, 83.2501, 95.1854

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.9494, 82.5200, 91.9403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8399, 83.2501, 95.1854 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, 241)` looks like.

```
.text, #text, p{  
    color:rgb(227, 237, 241)  
}
```

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, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 237, 241) }
```

Border

The CSS property to change the border of an element to XYZ 77.8399, 83.2501, 95.1854 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, 241) }
```


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

```
.border{ border-color:rgb(227, 237, 241) }
```

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, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 237, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 237, 241);  
box-shadow:4px 4px 4px 4px rgb(227, 237,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8399, 83.2501, 95.1854 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, 241) }
```

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

```
.background{ background-color: rgb(227,  
237, 241) }
```

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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