

Converting Colors

XYZ(77.8282, 82.0374, 96.5287)

Have a look what the booklet for
XYZ(77.8282, 82.0374, 96.5287)
contains.

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Color

**XYZ(77.9136, 81.9747,
96.5102)**

Conversions

Conversions Part 1

Format	Color
Hex	E5EAF3
RGB	229, 234, 243
RGB Percent	90%, 92%, 95%
CMY	0.1020, 0.0823, 0.0471
CMYK	0.06, 0.04, 0.00, 0.05
HSL	219°, 37%, 93%
HSV	219°, 6%, 95%
XYZ	77.9136, 81.9747, 96.5102
YIQ	233.5310, -5.8690, 1.7390

Conversions

Conversions Part 2

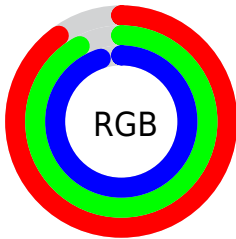
Format	Color
R _Y B	229, 233, 243
Decimal	15067891
CIE Lab	92.56, -0.00, -4.94
CIE LCh	93, 4.939, 269.979
Yxy	81.9747, 0.3039, 0.3197
Android (android.graphics.Color)	4293257971 (0xFFE5EAF3)
YUV	233.5310, 4.6682, -3.9737
Hunter-Lab	90.5399, -4.8376, 0.1783

Details

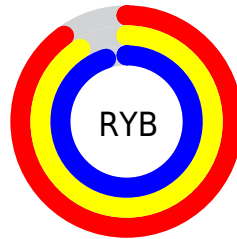
The XYZ color **77.9136, 81.9747, 96.5102** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.6798, 85.8602, 86.3979**, and the grayscale version is **77.8234, 81.8762, 89.1632**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.3456, 44.4273, 53.3572** is the 20% darker color. If you saturate the color by 10%, you get **66.4452, 69.7532, 94.7569**, and if you desaturate by 10%, it is **90.8639, 95.5463, 98.4485**.

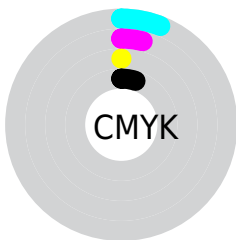
Distribution



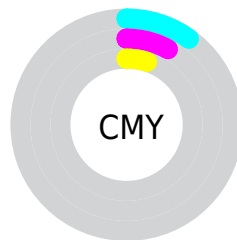
- Red (90%)
- Green (92%)
- Blue (95%)



- Red (90%)
- Yellow (91%)
- Blue (95%)



- Cyan (6%)
- Magenta (4%)
- Yellow (0%)
- Black (5%)



- Cyan (10%)
- Magenta (8%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9136, 81.9747, 96.5102 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 77.9136, 81.9747, 96.5102 by changing the saturation by 10% instead.

■ 77.9136, 81.9747,
96.5102

■ 77.9136, 81.9747,
96.5102

476.7177,
501.5631, 570.0959

■ 58.3055, 61.3447,
72.7887

129.3943,
136.1385, 158.3628

■ 42.2985, 44.5034,
53.3125

161.9977,
170.4411, 197.3311

■ 29.5273, 31.0665,
37.6628

199.6636,
210.0700, 242.2187

■ 19.6263, 20.6495,
25.4213

242.7573,
255.4096, 293.4442

■ 12.2304, 12.8680,
16.1694

291.6442,
306.8444, 351.4261

■ 6.9741, 7.3377,
9.4884

346.6897,

■ 3.4921, 3.6742,

364.7586, 416.5830

4.9600

408.2590,
429.5367, 489.3334

■ 1.4190, 1.4930,
2.1655

■ 0.2697, 0.2838,
0.6543

■ 77.9136, 81.9747,
96.5102

■ 77.9136, 81.9747,
96.5102

■ 66.4452, 69.7532,
94.7569

■ 90.8639, 95.5463,
98.4485

■ 56.3967, 58.8282,
93.1778

■ 93.1779, 99.2512,
99.0416

■ 47.7119, 49.1574,
91.7689

■ 40.3284, 40.6923,
90.5241

■ 34.1782, 33.3810,
89.4370

■ 29.1868, 27.1670,
88.5007

■ 25.2710, 21.9886,
87.7076

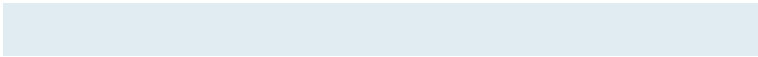
■ 22.3349, 17.7763,
87.0492

■ 20.2623, 14.4485,
86.5161

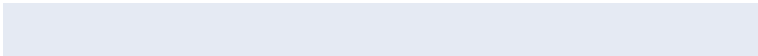
Harmonies

Analogous

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



76.6867, 81.9747, 95.5151



77.9136, 81.9747, 96.5102



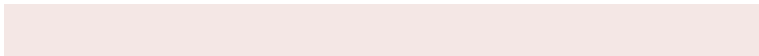
79.1538, 81.9747, 95.5177

Triad

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



77.9136, 81.9747, 96.5102



80.0711, 81.9747, 85.7723



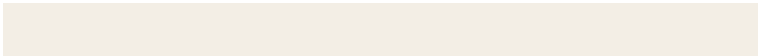
75.7978, 81.9747, 85.7680

Complementary

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



77.9136, 81.9747, 96.5102



81.6798, 85.8602, 86.3979

Split Complementary

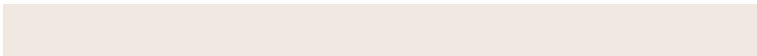
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.6882, 81.9747, 83.2751



77.9136, 81.9747, 96.5102



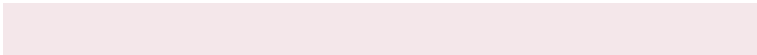
79.1553, 81.9747, 83.2775

Square

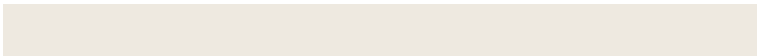
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



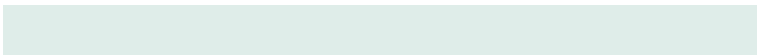
77.9136, 81.9747, 96.5102



80.4077, 81.9747, 89.2591



77.9154, 81.9747, 82.3757



75.4733, 81.9747, 89.2540

Rectangle

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



77.9136, 81.9747, 96.5102



79.8191, 81.9747, 93.8777



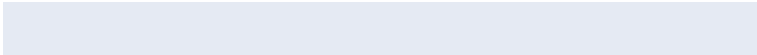
77.9154, 81.9747, 82.3757



76.0404, 81.9747, 84.7895

Sweetspot

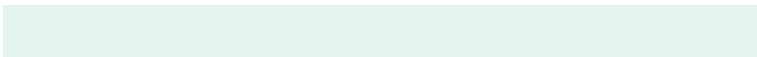
The Sweet Spot groups the original color and five complimentary colors.



77.9160, 81.9782, 96.5120



92.1619, 96.9723, 108.4678



79.7781, 86.9258, 93.3612



19.7567, 20.7879, 23.2211



0.0000, 0.0000, 0.0000



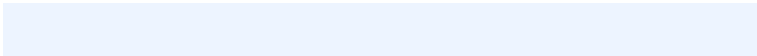
20.3446, 21.4041, 23.3091

Same Dimension

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



77.9160, 81.9782, 96.5120



85.2344, 89.6689, 107.4232



77.1104, 79.4779, 96.0719



16.5552, 17.4154, 21.0315



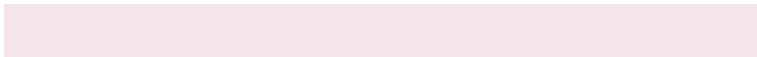
10.8581, 7.5101, 47.4153



1.0478, 0.8471, 4.1985

Inverse Universe

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



79.8346, 81.0355, 89.2796



87.8254, 88.4184, 97.6514



82.5159, 88.4839, 86.8602



17.1029, 17.1533, 18.9653



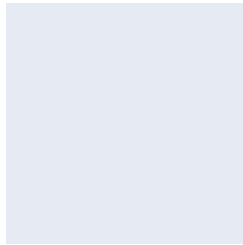
21.2852, 10.8575, 6.2102



1.9180, 0.9731, 0.7943

Previews

White Background



This preview shows how the XYZ color 77.9136, 81.9747, 96.5102 looks on a white background.

Color Contrast Check

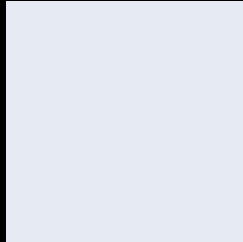
Large Text (above 18pt) WCAG AA × Fail

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 77.9136, 81.9747, 96.5102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

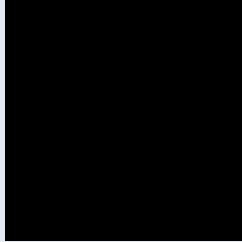
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

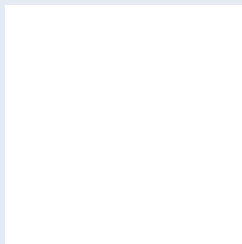
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.9136, 81.9747, 96.5102

Background



This preview shows how black text looks on a background with the XYZ color 77.9136, 81.9747, 96.5102.



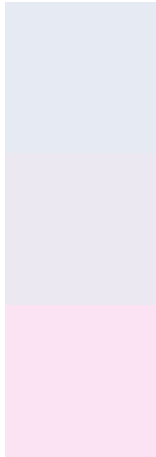
This preview shows how white text looks on a background with the XYZ color 77.9136, 81.9747,

96.5102.

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

77.9136, 81.9747, 96.5102

Protanopia

79.1446, 81.7862, 95.6193

Deuteranopia

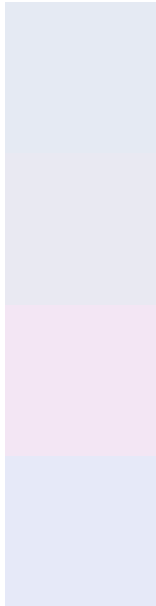
83.5819, 81.9791, 97.0063



Tritanopia

79.1846, 82.0659, 102.9336

Trichromacy



Original Color

77.9136, 81.9747, 96.5102

Protanomaly

78.7702, 82.0123, 95.6827

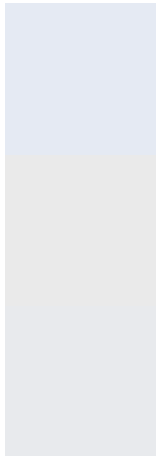
Deuteranomaly

81.5881, 82.1800, 97.1501

Tritanomaly

78.7153, 81.8781, 100.4623

Monochromacy



Original Color

77.9136, 81.9747, 96.5102

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.9876, 82.1159, 91.8603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.9136, 81.9747, 96.5102 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(229, 234, 243) looks like.

```
.text, #text, p{  
    color:rgb(229, 234, 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(229, 234, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 234, 243) }
```

Border

The CSS property to change the border of an element to XYZ 77.9136, 81.9747, 96.5102 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(229, 234, 243) }
```


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

```
.border{ border-color:rgb(229, 234, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 234, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 234, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 234, 243);  
box-shadow:4px 4px 4px 4px rgb(229, 234,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 77.9136, 81.9747, 96.5102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 234, 243) }
```

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

```
.background{ background-color: rgb(229,  
234, 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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