

Converting Colors

XYZ(77.2380, 79.9411,
103.5027)

Have a look what the booklet for
XYZ(77.2380, 79.9411, 103.5027)
contains.

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Color

**XYZ(77.2315, 79.7907,
103.4261)**

Conversions

Conversions Part 1

Format	Color
Hex	E2E6FC
RGB	226, 230, 252
RGB Percent	89%, 90%, 99%
CMY	0.1137, 0.0980, 0.0118
CMYK	0.10, 0.09, 0.00, 0.01
HSL	231°, 81%, 94%
HSV	231°, 10%, 99%
XYZ	77.2315, 79.7907, 103.4261
YIQ	231.3120, -9.4460, 5.9940

Conversions

Conversions Part 2

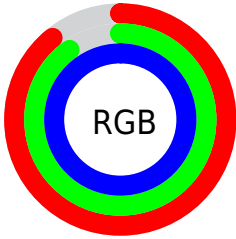
Format	Color
R _Y B	226, 229, 252
Decimal	14870268
CIE Lab	91.59, 2.82, -11.10
CIE LCh	92, 11.453, 284.264
Yxy	79.7907, 0.2965, 0.3064
Android (android.graphics.Color)	4293060348 (0xFFE2E6FC)
YUV	231.3120, 10.1992, -4.6586
Hunter-Lab	89.3256, -1.9877, -6.1212

Details

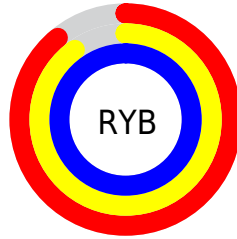
The XYZ color **77.2315, 79.7907, 103.4261** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.4400, 93.3204, 85.3569**, and the grayscale version is **76.1214, 80.0856, 87.2133**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9749, 43.2580, 57.7671** is the 20% darker color. If you saturate the color by 10%, you get **64.3285, 64.8652, 101.2265**, and if you desaturate by 10%, it is **92.0263, 96.7728, 105.9255**.

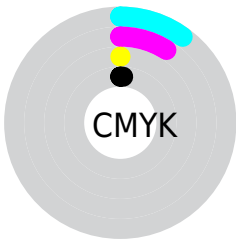
Distribution



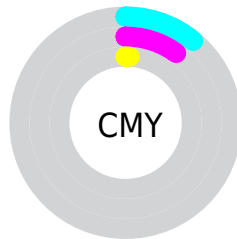
- Red (89%)
- Green (90%)
- Blue (99%)



- Red (89%)
- Yellow (90%)
- Blue (99%)



- Cyan (10%)
- Magenta (9%)
- Yellow (0%)
- Black (1%)



- Cyan (11%)
- Magenta (10%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2315, 79.7907, 103.4261 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 77.2315, 79.7907, 103.4261 by changing the saturation by 10% instead.

■ 77.2315, 79.7907,
103.4261

■ 77.2315, 79.7907,
103.4261

474.4328,
494.2272, 592.4623

■ 57.7435, 59.5461,
78.5321

128.4373,
133.0714, 167.9503

■ 41.8449, 43.0529,
57.9922

160.8858,
166.8764, 208.4176

■ 29.1705, 29.9266,
41.3877

198.3852,
205.9703, 254.9131

■ 19.3547, 19.7829,
28.3002

241.3009,
250.7374, 307.8553

■ 12.0324, 12.2373,
18.3110

289.9981,
301.5623, 367.6628

■ 6.8381, 6.9055,
11.0018

344.8422,

■ 3.4065, 3.4031,

358.8293, 434.7541

5.9538

406.1987,
422.9228, 509.5478

■ 1.3722, 1.3456,
2.7487

■ 0.2363, 0.1761,
0.9678

■ 77.2315, 79.7907,
103.4261

■ 77.2315, 79.7907,
103.4261

■ 64.3285, 64.8652,
101.2265

■ 92.0263, 96.7728,
105.9255

■ 53.2335, 51.9082,
99.3103

■ 94.5709, 99.8084,
106.3773

■ 43.8672, 40.8397,
97.6675

■ 36.1414, 31.5708,
96.2856

■ 29.9601, 24.0048,
95.1511

■ 25.2169, 18.0360,
94.2490

■ 21.7919, 13.5467,
93.5629

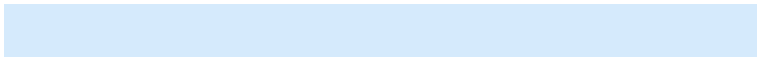
■ 19.5443, 10.4016,
93.0744

■ 18.2900, 8.4666,
92.7670

Harmonies

Analogous

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



74.3250, 79.7907, 103.3059



77.2315, 79.7907, 103.4261



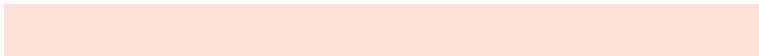
79.8284, 79.7907, 98.9195

Triad

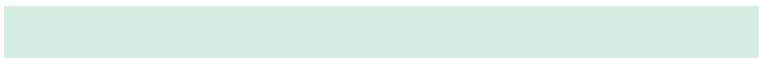
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.2315, 79.7907, 103.4261



79.9341, 79.7907, 76.1241



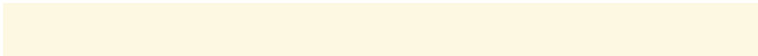
70.5580, 79.7907, 82.5869

Complementary

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



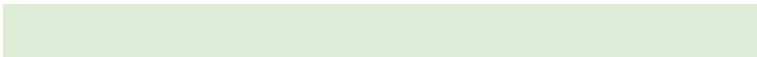
77.2315, 79.7907, 103.4261



87.4400, 93.3204, 85.3569

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.



71.9842, 79.7907, 75.8566



77.2315, 79.7907, 103.4261



77.3728, 79.7907, 72.2920

Square

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



77.2315, 79.7907, 103.4261



81.4156, 79.7907, 82.9737



74.4627, 79.7907, 72.1973



70.5224, 79.7907, 90.9039

Rectangle

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



77.2315, 79.7907, 103.4261



81.0135, 79.7907, 94.0551



74.4627, 79.7907, 72.1973



70.8890, 79.7907, 80.0766

Sweetspot

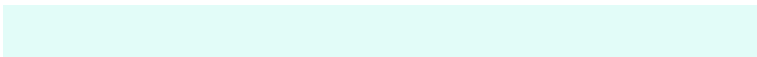
The Sweet Spot groups the original color and five complimentary colors.



77.2339, 79.7940, 103.4279



90.2613, 94.5178, 108.0942



83.0673, 92.5476, 102.0227



19.0522, 19.9242, 23.0915



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.



77.2339, 79.7940, 103.4279



76.9649, 79.2318, 105.8445



78.9194, 79.0279, 103.1911



16.4988, 17.0744, 21.8114



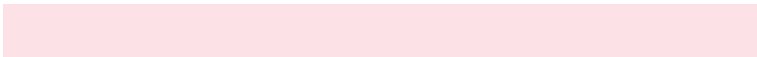
9.5935, 4.5426, 48.3447



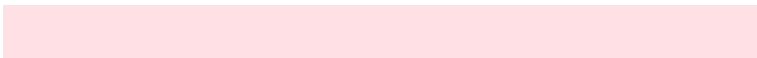
0.9500, 0.5437, 4.4980

Inverse Universe

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



81.6260, 80.8029, 86.1612



82.1618, 80.4500, 85.4087



85.6165, 94.2272, 85.6281



17.3535, 17.2688, 18.4515



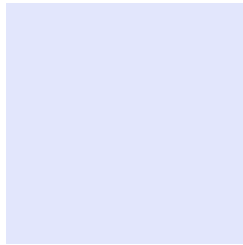
21.1344, 10.8695, 2.1502



1.9884, 1.0191, 0.3625

Previews

White Background



This preview shows how the XYZ color 77.2315, 79.7907, 103.4261 looks on a white background.

Color Contrast Check

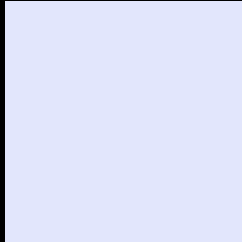
Large Text (above 18pt) WCAG AA × Fail

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 77.2315, 79.7907, 103.4261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

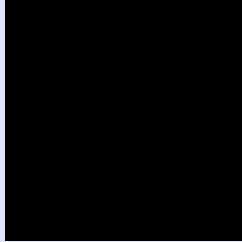
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.2315, 79.7907, 103.4261

Background



This preview shows how black text looks on a background with the XYZ color 77.2315, 79.7907, 103.4261.



This preview shows how white text looks on a background with the XYZ color 77.2315, 79.7907,

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

77.2315, 79.7907, 103.4261

Protanopia

77.9031, 79.7249, 103.3780

Deuteranopia

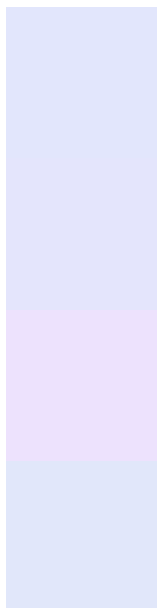
81.3474, 79.4578, 103.9779



Tritanopia

76.7261, 79.9989, 101.0200

Trichromacy



Original Color

77.2315, 79.7907, 103.4261

Protanomaly

77.5849, 79.5609, 103.3631

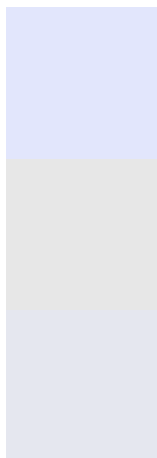
Deuteranomaly

79.8510, 79.4891, 104.0628

Tritanomaly

76.8826, 80.0615, 101.8438

Monochromacy



Original Color

77.2315, 79.7907, 103.4261

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

76.4690, 80.0418, 93.0806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.2315, 79.7907, 103.4261 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(226, 230, 252) looks like.

```
.text, #text, p{  
    color:rgb(226, 230, 252)  
}
```

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(226, 230, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 230, 252) }
```

Border

The CSS property to change the border of an element to XYZ 77.2315, 79.7907, 103.4261 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(226, 230, 252) }
```


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

```
.border{ border-color:rgb(226, 230, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 230, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 230, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 230, 252);  
box-shadow:4px 4px 4px 4px rgb(226, 230,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 77.2315, 79.7907, 103.4261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 230, 252) }
```

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

```
.background{ background-color: rgb(226,  
230, 252) }
```

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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