

Converting Colors

XYZ(79.2847, 84.0407,
102.1938)

Have a look what the booklet for
XYZ(79.2847, 84.0407, 102.1938)
contains.

XYZ(79.2181, 83.8014, 102.4425)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(79.2181, 83.8014,
102.4425)**

Conversions

Conversions Part 1

Format	Color
Hex	E3EDFA
RGB	227, 237, 250
RGB Percent	89%, 93%, 98%
CMY	0.1098, 0.0706, 0.0196
CMYK	0.09, 0.05, 0.00, 0.02
HSL	214°, 70%, 94%
HSV	214°, 9%, 98%
XYZ	79.2181, 83.8014, 102.4425
YIQ	235.4920, -10.1330, 1.9230

Conversions

Conversions Part 2

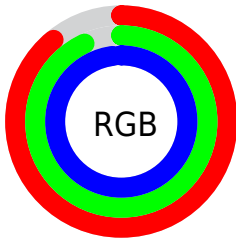
Format	Color
R _Y B	227, 234, 250
Decimal	14937594
CIE Lab	93.36, -0.86, -7.42
CIE LCh	93, 7.466, 263.424
Yxy	83.8014, 0.2984, 0.3157
Android (android.graphics.Color)	4293127674 (0xFFE3EDFA)
YUV	235.4920, 7.1524, -7.4475
Hunter-Lab	91.5431, -5.7330, -2.2691

Details

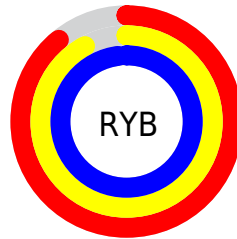
The XYZ color **79.2181, 83.8014, 102.4425** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.4500, 88.1897, 85.2460**, and the grayscale version is **79.2953, 83.4249, 90.8497**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.2747, 45.7134, 57.5817** is the 20% darker color. If you saturate the color by 10%, you get **67.9685, 72.1695, 100.7915**, and if you desaturate by 10%, it is **91.9398, 96.6751, 104.2582**.

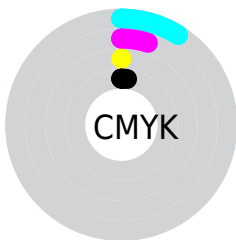
Distribution



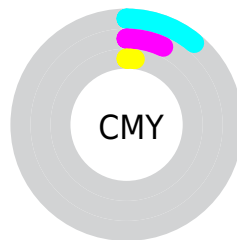
- Red (89%)
- Green (93%)
- Blue (98%)



- Red (89%)
- Yellow (92%)
- Blue (98%)



- Cyan (9%)
- Magenta (5%)
- Yellow (0%)
- Black (2%)



- Cyan (11%)
- Magenta (7%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.2181, 83.8014, 102.4425 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 79.2181, 83.8014, 102.4425 by changing the saturation by 10% instead.

■ 79.2181, 83.8014,
102.4425

■ 79.2181, 83.8014,
102.4425

481.0706,
507.6535, 589.3089

■ 59.3814, 62.8515,
77.7137

131.2222,
138.6973, 166.5908

■ 43.1678, 45.7211,
57.3238

164.1202,
173.4121, 206.8473

■ 30.2119, 32.0258,
40.8542

202.1028,
213.4840, 253.1169

■ 20.1483, 21.3812,
27.8863

245.5352,
259.2974, 305.8181

■ 12.6118, 13.4029,
18.0017

294.7829,
311.2366, 365.3693

■ 7.2369, 7.7066,
10.7817

350.2111,

■ 3.6584, 3.9078,

369.6861, 432.1891

5.8079

412.1852,
435.0303, 506.6962

■ 1.5107, 1.6221,
2.6618

■ 0.3331, 0.3724,
0.9241

■ 79.2181, 83.8014,
102.4425

■ 79.2181, 83.8014,
102.4425

■ 67.9685, 72.1695,
100.7915

■ 91.9398, 96.6751,
104.2582

■ 58.1270, 61.7287,
99.2950

■ 94.2556, 99.6822,
104.7166

■ 49.6359, 52.4400,
97.9496

■ 42.4301, 44.2582,
96.7501

■ 36.4390, 37.1346,
95.6909

■ 31.5841, 31.0158,
94.7657

■ 27.7771, 25.8429,
93.9679

■ 24.9140, 21.5481,
93.2898

■ 22.8418, 18.0375,
92.7215

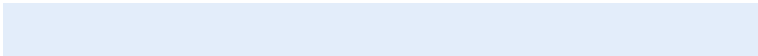
Harmonies

Analogous

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



77.4167, 83.8014, 100.2299



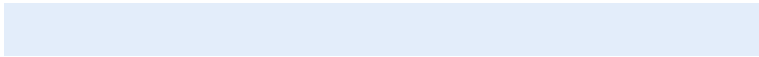
79.2181, 83.8014, 102.4425



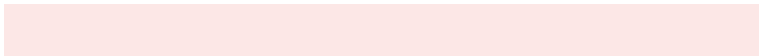
81.1648, 83.8014, 101.5571

Triad

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



79.2181, 83.8014, 102.4425



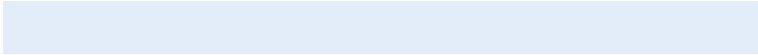
83.1742, 83.8014, 87.0039



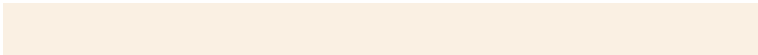
76.6498, 83.8014, 84.9378

Complementary

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



79.2181, 83.8014, 102.4425



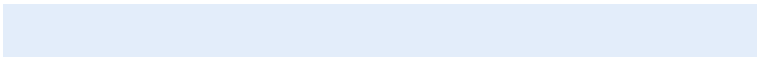
84.4500, 88.1897, 85.2460

Split Complementary

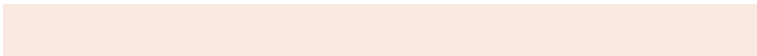
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.1556, 83.8014, 81.6566



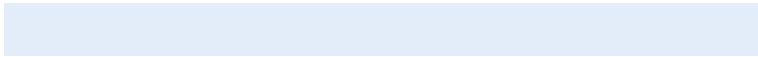
79.2181, 83.8014, 102.4425



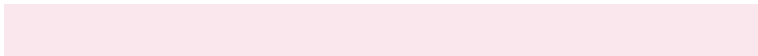
81.9273, 83.8014, 82.8147

Square

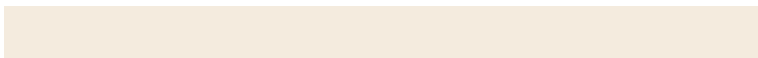
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.2181, 83.8014, 102.4425



83.4700, 83.8014, 92.4923



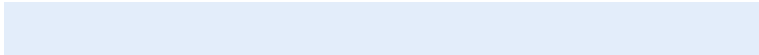
80.0849, 83.8014, 80.8956



75.9497, 83.8014, 90.0099

Rectangle

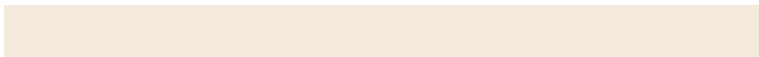
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.2181, 83.8014, 102.4425



82.2808, 83.8014, 99.3464



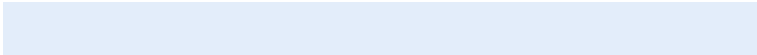
80.0849, 83.8014, 80.8956



77.0773, 83.8014, 83.5974

Sweetspot

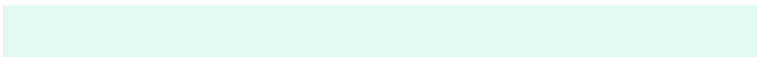
The Sweet Spot groups the original color and five complimentary colors.



79.2205, 83.8049, 102.4444



90.9278, 95.8507, 108.3164



81.5418, 90.9740, 95.4292



19.2316, 20.2829, 23.1513



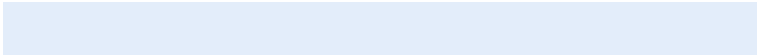
0.0000, 0.0000, 0.0000



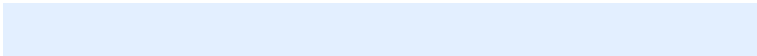
20.3446, 21.4041, 23.3091

Same Dimension

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



79.2205, 83.8049, 102.4444



80.6231, 85.3635, 106.8352



76.7685, 78.3605, 101.5227



16.9040, 17.8849, 21.9465



12.1754, 9.7064, 49.2054



1.2309, 1.1055, 4.5917

Inverse Universe

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



82.1814, 81.3784, 91.5010



84.2975, 82.4117, 93.2415



87.0656, 94.0308, 86.2356



17.5581, 17.3506, 19.5287



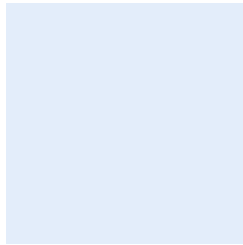
22.4376, 11.3908, 9.0129



2.1302, 1.0758, 1.1092

Previews

White Background



This preview shows how the XYZ color 79.2181, 83.8014, 102.4425 looks on a white background.

Color Contrast Check

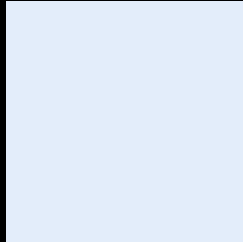
Large Text (above 18pt) WCAG AA × Fail

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 79.2181, 83.8014, 102.4425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

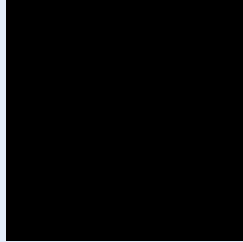
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

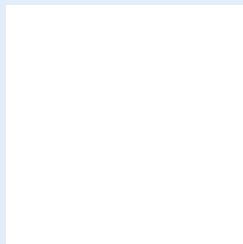
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 79.2181, 83.8014, 102.4425

Background



This preview shows how black text looks on a background with the XYZ color 79.2181, 83.8014, 102.4425.



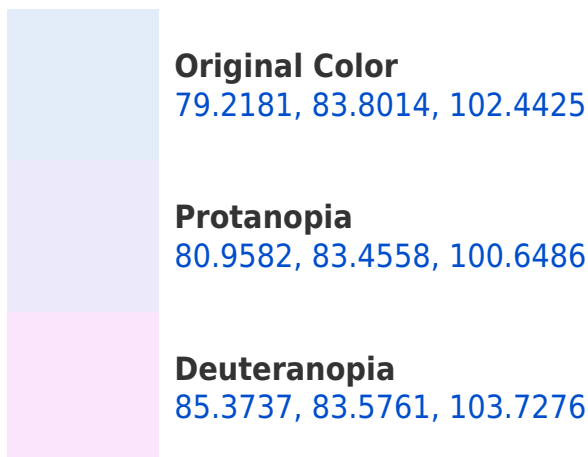
This preview shows how white text looks on a background with the XYZ color 79.2181, 83.8014,

102.4425.

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

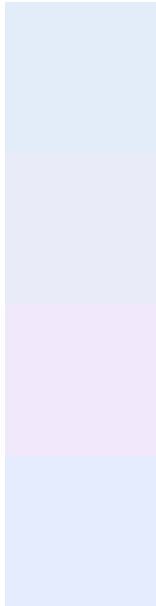




Tritanopia

80.0404, 83.7049, 106.5458

Trichromacy



Original Color

79.2181, 83.8014, 102.4425

Protanomaly

80.4115, 83.5799, 101.5169

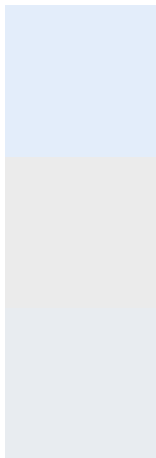
Deuteranomaly

82.8871, 83.5555, 103.0260

Tritanomaly

79.7200, 83.5767, 104.8587

Monochromacy



Original Color

79.2181, 83.8014, 102.4425

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

79.0023, 83.4380, 94.3793

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.2181, 83.8014, 102.4425 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, 250)` looks like.

```
.text, #text, p{  
    color:rgb(227, 237, 250)  
}
```

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, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 237, 250) }
```

Border

The CSS property to change the border of an element to XYZ 79.2181, 83.8014, 102.4425 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, 250) }
```


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

```
.border{ border-color:rgb(227, 237, 250) }
```

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, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 237, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 237, 250);  
box-shadow:4px 4px 4px 4px rgb(227, 237,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 79.2181, 83.8014, 102.4425 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, 250) }
```

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

```
.background{ background-color: rgb(227,  
237, 250) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor