

Converting Colors

XYZ(77.8015, 83.4775,
102.5044)

Have a look what the booklet for
XYZ(77.8015, 83.4775, 102.5044)
contains.

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Color

**XYZ(77.9541, 83.5808,
102.4666)**

Conversions

Conversions Part 1

Format	Color
Hex	DDEEFA
RGB	222, 238, 250
RGB Percent	87%, 93%, 98%
CMY	0.1294, 0.0666, 0.0196
CMYK	0.11, 0.05, 0.00, 0.02
HSL	206°, 74%, 93%
HSV	206°, 11%, 98%
XYZ	77.9541, 83.5808, 102.4666
YIQ	234.5840, -13.3880, 0.3400

Conversions

Conversions Part 2

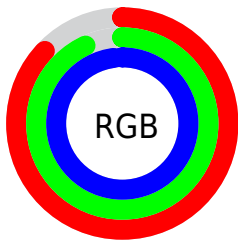
Format	Color
R_{YB}	222, 232, 250
Decimal	14610170
CIE _{Lab}	93.27, -2.96, -7.60
CIE _{LCh}	93, 8.153, 248.735
Yxy	83.5808, 0.2953, 0.3166
Android (android.graphics.Color)	4292800250 (0xFFDEEEFA)
YUV	234.5840, 7.6001, -11.0362
Hunter-Lab	91.4225, -7.7862, -2.4566

Details

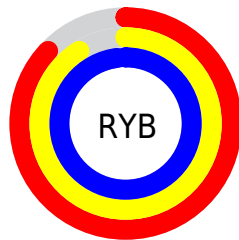
The XYZ color **77.9541, 83.5808, 102.4666** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.0325, 84.4433, 81.0845**, and the grayscale version is **78.6029, 82.6963, 90.0563**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4019, 45.5664, 57.5993** is the 20% darker color. If you saturate the color by 10%, you get **67.8316, 73.8719, 101.1274**, and if you desaturate by 10%, it is **89.4024, 94.2532, 103.9245**.

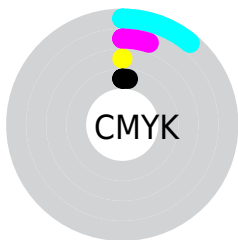
Distribution



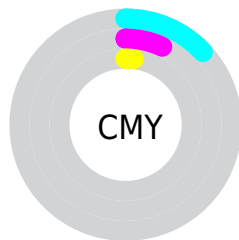
- Red (87%)
- Green (93%)
- Blue (98%)



- Red (87%)
- Yellow (91%)
- Blue (98%)



- Cyan (11%)
- Magenta (5%)
- Yellow (0%)
- Black (2%)



- Cyan (13%)
- Magenta (7%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9541, 83.5808, 102.4666 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 77.9541, 83.5808, 102.4666 by changing the saturation by 10% instead.

■ 77.9541, 83.5808,
102.4666

■ 77.9541, 83.5808,
102.4666

476.8531,
506.9201, 589.3863

■ 58.3389, 62.6694,
77.7338

129.4511,
138.3886, 166.6241

■ 42.3255, 45.5738,
57.3402

162.0637,
173.0538, 206.8858

■ 29.5485, 31.9096,
40.8672

199.7394,
213.0724, 253.1610

■ 19.6425, 21.2925,
27.8964

242.8437,
258.8288, 305.8680

■ 12.2422, 13.3380,
18.0092

291.7418,
310.7074, 365.4255

■ 6.9822, 7.6617,
10.7871

346.7992,

■ 3.4972, 3.8792,

369.0925, 432.2521

5.8115

408.3812,
434.3687, 506.7661

■ 1.4218, 1.6062,
2.6639

■ 0.2717, 0.3618,
0.9252

■ 77.9541, 83.5808,
102.4666

■ 77.9541, 83.5808,
102.4666

■ 67.8316, 73.8719,
101.1274

■ 89.4024, 94.2532,
103.9245

■ 58.9746, 65.0838,
99.8980

■ 94.2556, 99.6822,
104.7166

■ 51.3288, 57.1859,
98.7765

■ 44.8327, 50.1416,
97.7592

■ 39.4192, 43.9111,
96.8419

■ 35.0134, 38.4504,
96.0201

■ 31.5296, 33.7099,
95.2887

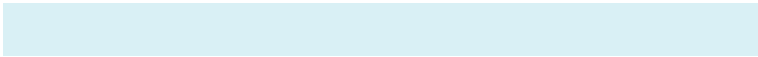
■ 28.8657, 29.6313,
94.6418

■ 27.0611, 26.5133,
94.1351

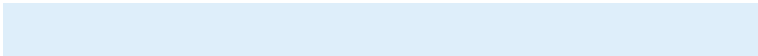
Harmonies

Analogous

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



76.2661, 83.5808, 98.6006



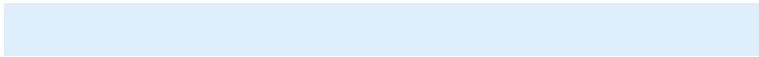
77.9541, 83.5808, 102.4666



80.0692, 83.5808, 103.1907

Triad

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



77.9541, 83.5808, 102.4666



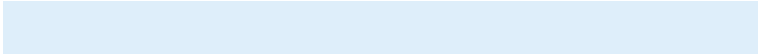
83.5891, 83.5808, 89.2226



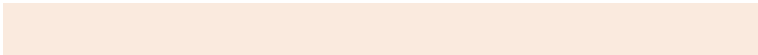
76.8874, 83.5808, 82.0961

Complementary

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



77.9541, 83.5808, 102.4666



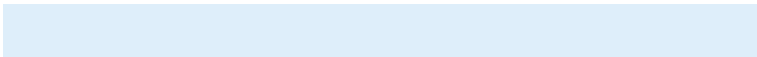
82.0325, 84.4433, 81.0845

Split Complementary

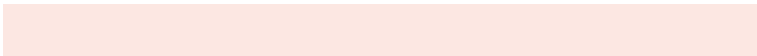
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.8161, 83.5808, 79.8190



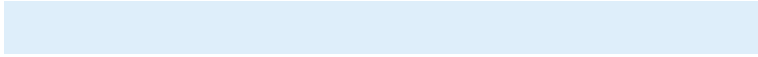
77.9541, 83.5808, 102.4666



82.7030, 83.5808, 83.8103

Square

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



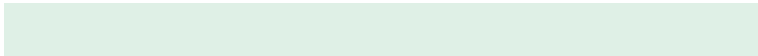
77.9541, 83.5808, 102.4666



83.3482, 83.5808, 95.3582



80.9468, 83.5808, 80.4322



75.6579, 83.5808, 86.7869

Rectangle

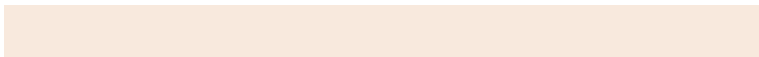
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.9541, 83.5808, 102.4666



81.4411, 83.5808, 101.7641



80.9468, 83.5808, 80.4322



77.4740, 83.5808, 81.0328

Sweetspot

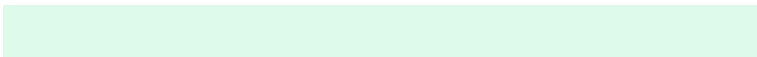
The Sweet Spot groups the original color and five complimentary colors.



77.9565, 83.5843, 102.4685



91.2546, 96.5044, 108.4253



79.1147, 89.8237, 90.7605



19.3198, 20.4593, 23.1807



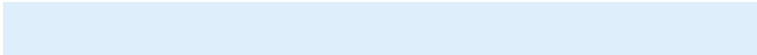
0.0000, 0.0000, 0.0000



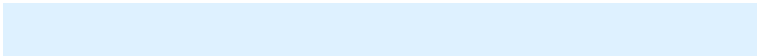
20.3446, 21.4041, 23.3091

Same Dimension

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



77.9565, 83.5843, 102.4685



79.5234, 85.5162, 106.9227



74.1264, 75.9241, 101.1918



17.1067, 18.2901, 22.0140



14.4996, 14.3548, 49.9801



1.4481, 1.5399, 4.6641

Inverse Universe

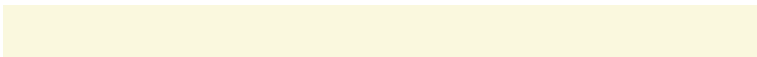
The Inverse Universe completely reimagines the original color for something new.



80.9802, 78.7414, 91.8234



83.1683, 79.7616, 94.0721



86.0756, 92.5294, 82.4322



17.6604, 17.3915, 20.0673



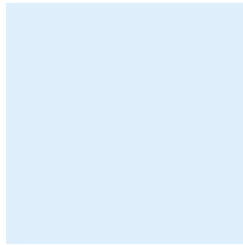
23.6107, 11.8600, 15.1905



2.2399, 1.1197, 1.6865

Previews

White Background



This preview shows how the XYZ color 77.9541, 83.5808, 102.4666 looks on a white background.

Color Contrast Check

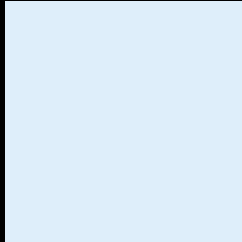
Large Text (above 18pt) WCAG AA × Fail

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 77.9541, 83.5808, 102.4666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

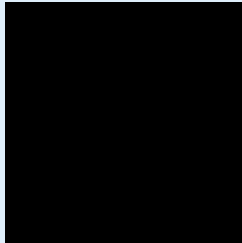
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

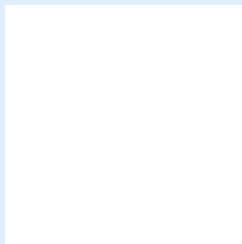
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.9541, 83.5808, 102.4666

Background



This preview shows how black text looks on a background with the XYZ color 77.9541, 83.5808, 102.4666.

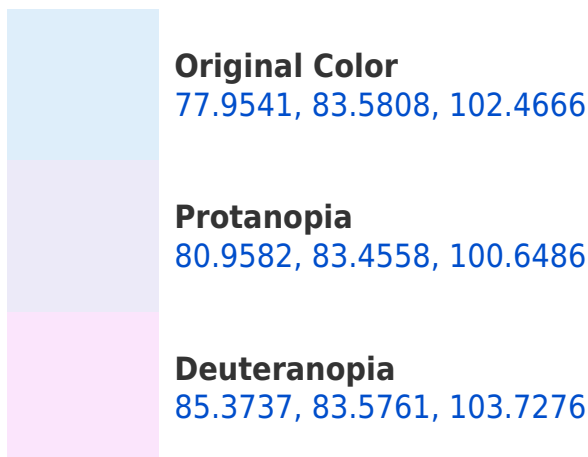


This preview shows how white text looks on a background with the XYZ color 77.9541, 83.5808,

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

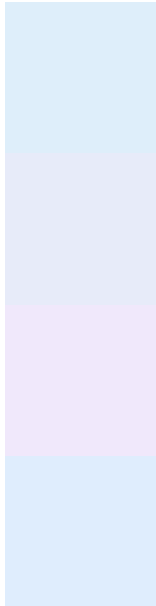




Tritanopia

79.0747, 83.6357, 106.5834

Trichromacy



Original Color

77.9541, 83.5808, 102.4666

Protanomaly

79.7622, 83.2451, 101.4865

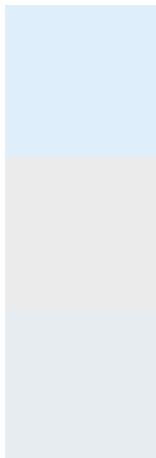
Deuteranomaly

82.2044, 83.2035, 102.9940

Tritanomaly

78.4452, 83.3482, 104.8818

Monochromacy



Original Color

77.9541, 83.5808, 102.4666

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.3568, 83.1052, 94.3491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.9541, 83.5808, 102.4666 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(222, 238, 250)` looks like.

```
.text, #text, p{  
    color:rgb(222, 238, 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(222, 238, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 238, 250) }
```

Border

The CSS property to change the border of an element to XYZ 77.9541, 83.5808, 102.4666 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(222, 238, 250) }
```


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

```
.border{ border-color:rgb(222, 238, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 238, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 238, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 238, 250);  
box-shadow:4px 4px 4px 4px rgb(222, 238,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 77.9541, 83.5808, 102.4666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 238, 250) }
```

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

```
.background{ background-color: rgb(222,  
238, 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](#).

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