

Converting Colors

XYZ(77.8196, 83.0041,
102.3472)

Have a look what the booklet for
XYZ(77.8196, 83.0041, 102.3472)
contains.

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Color

**XYZ(77.9709, 83.1585,
102.3842)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | DFEDFA |
| RGB | 223, 237, 250 |
| RGB Percent | 87%, 93%, 98% |
| CMY | 0.1255, 0.0706, 0.0196 |
| CMYK | 0.11, 0.05, 0.00, 0.02 |
| HSL | 209°, 73%, 93% |
| HSV | 209°, 11%, 98% |
| XYZ | 77.9709, 83.1585, 102.3842 |
| YIQ | 234.2960, -12.5170, 1.0750 |

Conversions

Conversions Part 2

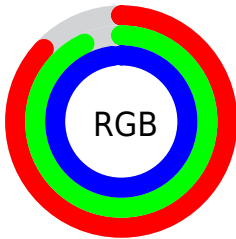
| Format | Color |
|-------------------------------------|------------------------------|
| R _Y B | 223, 232, 250 |
| Decimal | 14675450 |
| CIE Lab | 93.08, -2.13, -7.86 |
| CIE LCh | 93, 8.147, 254.851 |
| Yxy | 83.1585, 0.2959, 0.3156 |
| Android (android.graphics.Color) | 4292865530 (0xFFDFEDFA) |
| YUV | 234.2960, 7.7421, -9.9066 |
| Hunter-Lab | 91.1913, -6.9626, -2.7334 |

Details

The XYZ color **77.9709, 83.1585, 102.3842** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.7394, 85.6420, 81.9831**, and the grayscale version is **78.3829, 82.4649, 89.8043**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4099, 45.2676, 57.5412** is the 20% darker color. If you saturate the color by 10%, you get **67.4623, 72.7433, 100.9290**, and if you desaturate by 10%, it is **89.8555, 94.6346, 103.9742**.

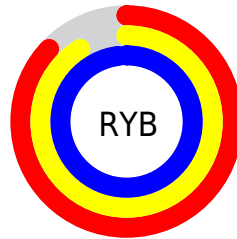
Distribution



Red (87%)

Green (93%)

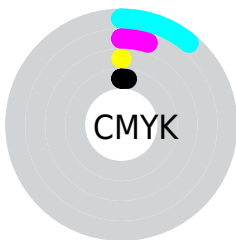
Blue (98%)



Red (87%)

Yellow (91%)

Blue (98%)

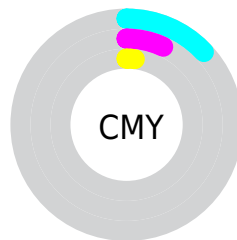


Cyan (11%)

Magenta (5%)

Yellow (0%)

Black (2%)



Cyan (13%)

Magenta (7%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9709, 83.1585, 102.3842 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 77.9709, 83.1585, 102.3842 by changing the saturation by 10% instead.

■ 77.9709, 83.1585,
102.3842

■ 77.9709, 83.1585,
102.3842

476.9093,
505.5146, 589.1217

■ 58.3528, 62.3209,
77.6652

129.4747,
137.7974, 166.5102

■ 42.3367, 45.2921,
57.2842

162.0910,
172.3676, 206.7542

■ 29.5573, 31.6875,
40.8226

199.7709,
212.2840, 253.0104

■ 19.6492, 21.1229,
27.8618

242.8795,
257.9311, 305.6972

■ 12.2471, 13.2139,
17.9834

291.7823,
309.6934, 365.2332

■ 6.9856, 7.5760,
10.7687

346.8447,

■ 3.4993, 3.8249,

367.9551, 432.0369

5.7993

408.4319,
433.1007, 506.5269

■ 1.4230, 1.5761,
2.6566

■ 0.2725, 0.3414,
0.9215

■ 77.9709, 83.1585,
102.3842

■ 77.9709, 83.1585,
102.3842

■ 67.4623, 72.7433,
100.9290

■ 89.8555, 94.6346,
103.9742

■ 58.2681, 63.3438,
99.5993

■ 94.2556, 99.6822,
104.7166

■ 50.3328, 54.9268,
98.3929

■ 43.5938, 47.4526,
97.3054

■ 37.9825, 40.8786,
96.3323

■ 33.4228, 35.1578,
95.4684

■ 29.8279, 30.2374,
94.7081

■ 27.0948, 26.0561,
94.0451

■ 25.1935, 22.7781,
93.5126

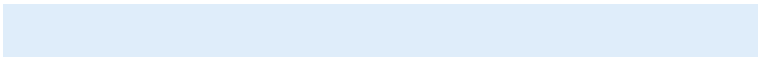
Harmonies

Analogous

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



76.1627, 83.1585, 99.0999



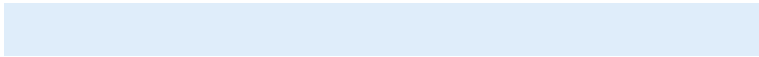
77.9709, 83.1585, 102.3842



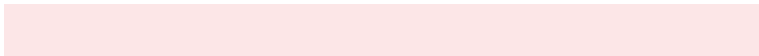
80.0974, 83.1585, 102.4013

Triad

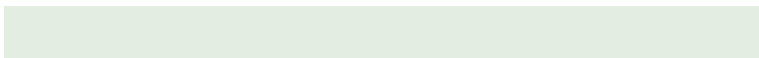
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.9709, 83.1585, 102.3842



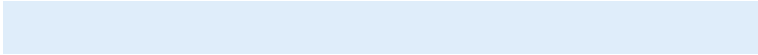
83.0777, 83.1585, 87.5630



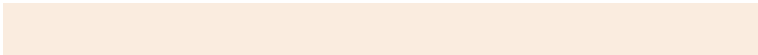
76.1774, 83.1585, 82.4576

Complementary

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



77.9709, 83.1585, 102.3842



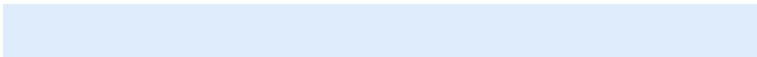
82.7394, 85.6420, 81.9831

Split Complementary

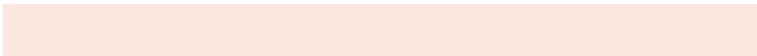
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.9913, 83.1585, 79.6419



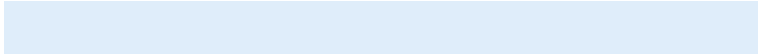
77.9709, 83.1585, 102.3842



81.9882, 83.1585, 82.4981

Square

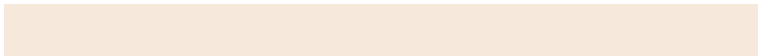
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.9709, 83.1585, 102.3842



83.0720, 83.1585, 93.6552



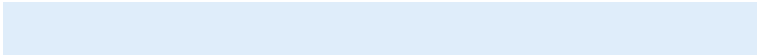
80.1181, 83.1585, 79.6564



75.1400, 83.1585, 87.5054

Rectangle

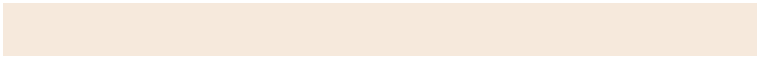
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.9709, 83.1585, 102.3842



81.4107, 83.1585, 100.5485



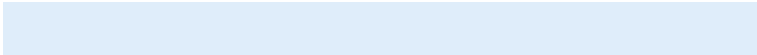
80.1181, 83.1585, 79.6564



76.7151, 83.1585, 81.2289

Sweetspot

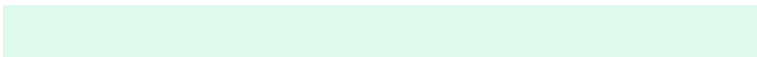
The Sweet Spot groups the original color and five complimentary colors.



77.9733, 83.1620, 102.3860



91.1278, 96.2509, 108.3831



79.7006, 90.0935, 92.2430



19.2856, 20.3909, 23.1693



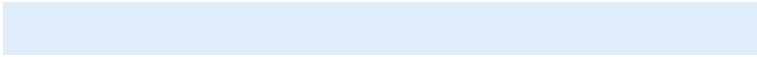
0.0000, 0.0000, 0.0000



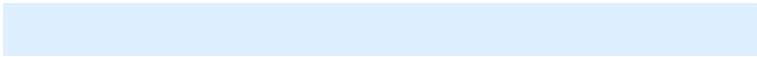
20.3446, 21.4041, 23.3091

Same Dimension

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



77.9733, 83.1620, 102.3860



79.0074, 84.4843, 106.7507



74.3169, 75.8491, 101.1672



17.0278, 18.1324, 21.9877



13.5082, 12.3721, 49.6496



1.3573, 1.3582, 4.6338

Inverse Universe

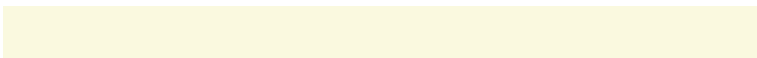
The Inverse Universe completely reimagines the original color for something new.



81.1000, 79.2154, 91.1405



82.9078, 79.6575, 92.7006



86.6516, 93.4663, 83.2872



17.6206, 17.3756, 19.8576



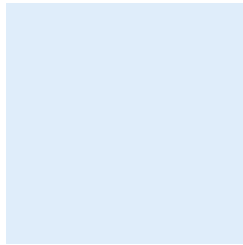
23.1104, 11.6599, 12.5555



2.1940, 1.1013, 1.4451

Previews

White Background



This preview shows how the XYZ color 77.9709, 83.1585, 102.3842 looks on a white background.

Color Contrast Check

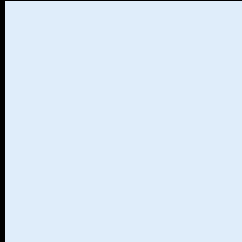
Large Text (above 18pt) WCAG AA × Fail

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 77.9709, 83.1585, 102.3842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

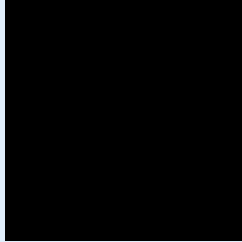
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

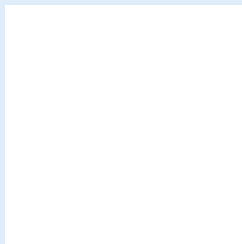
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.9709, 83.1585, 102.3842

Background



This preview shows how black text looks on a background with the XYZ color 77.9709, 83.1585, 102.3842.



This preview shows how white text looks on a background with the XYZ color 77.9709, 83.1585,

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

77.9709, 83.1585, 102.3842

Protanopia

80.3431, 82.7173, 100.5384

Deuteranopia

84.7384, 82.8391, 103.6188



Tritanopia

78.7859, 83.0582, 106.4871

Trichromacy



Original Color

77.9709, 83.1585, 102.3842

Protanomaly

79.4767, 82.6741, 101.3914

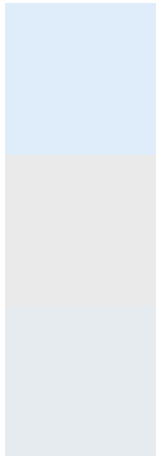
Deuteranomaly

81.9237, 82.6421, 102.9005

Tritanomaly

78.4655, 82.9300, 104.8000

Monochromacy



Original Color

77.9709, 83.1585, 102.3842

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

78.0696, 82.5309, 94.2534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.9709, 83.1585, 102.3842 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(223, 237, 250)` looks like.

```
.text, #text, p{  
    color:rgb(223, 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(223, 237, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 237, 250) }
```

Border

The CSS property to change the border of an element to XYZ 77.9709, 83.1585, 102.3842 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(223, 237, 250) }
```


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

```
.border{ border-color:rgb(223, 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(223, 237, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 237, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 237, 250);  
box-shadow:4px 4px 4px 4px rgb(223, 237,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 77.9709, 83.1585, 102.3842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 237, 250) }
```

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

```
.background{ background-color: rgb(223,  
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](#).

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