

Converting Colors

XYZ(76.8138, 83.6644,
102.5000)

Have a look what the booklet for
XYZ(76.8138, 83.6644, 102.5000)
contains.

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Color

**XYZ(77.0307, 83.9740,
102.5911)**

Conversions

Conversions Part 1

Format	Color
Hex	D9F0FA
RGB	217, 240, 250
RGB Percent	85%, 94%, 98%
CMY	0.1490, 0.0588, 0.0196
CMYK	0.13, 0.04, 0.00, 0.02
HSL	198°, 77%, 92%
HSV	198°, 13%, 98%
XYZ	77.0307, 83.9740, 102.5911
YIQ	234.2630, -16.9180, -1.7660

Conversions

Conversions Part 2

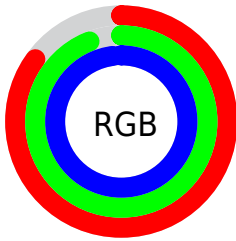
Format	Color
R _Y B	217, 231, 250
Decimal	14283002
CIE Lab	93.44, -5.55, -7.38
CIE LCh	93, 9.236, 233.066
Yxy	83.9740, 0.2922, 0.3186
Android (android.graphics.Color)	4292473082 (0xFFD9F0FA)
YUV	234.2630, 7.7583, -15.1397
Hunter-Lab	91.6373, -10.3175, -2.2310

Details

The XYZ color **77.0307, 83.9740, 102.5911** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.4184, 80.2717, 76.9555**, and the grayscale version is **78.3602, 82.4410, 89.7783**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.7784, 45.8574, 57.6883** is the 20% darker color. If you saturate the color by 10%, you get **67.9727, 76.0656, 101.5434**, and if you desaturate by 10%, it is **87.3123, 92.6558, 103.7263**.

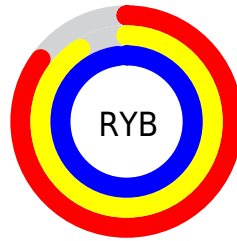
Distribution



Red (85%)

Green (94%)

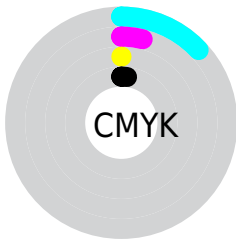
Blue (98%)



Red (85%)

Yellow (91%)

Blue (98%)

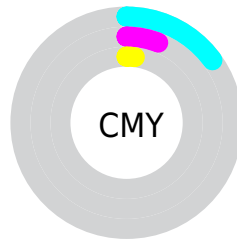


Cyan (13%)

Magenta (4%)

Yellow (0%)

Black (2%)



Cyan (15%)

Magenta (6%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.0307, 83.9740, 102.5911 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 77.0307, 83.9740, 102.5911 by changing the saturation by 10% instead.

■ 77.0307, 83.9740,
102.5911

■ 77.0307, 83.9740,
102.5911

473.7590,
508.2269, 589.7859

■ 57.5781, 62.9940,
77.8373

128.1554,
138.9388, 166.7963

■ 41.7115, 45.8363,
57.4247

160.5583,
173.6924, 207.0847

■ 29.0656, 32.1167,
40.9347

198.0085,
213.8059, 253.3885

■ 19.2750, 21.4506,
27.9487

240.8716,
259.6638, 306.1261

■ 11.9743, 13.4538,
18.0483

289.5128,
311.6505, 365.7161

■ 6.7983, 7.7418,
10.8149

344.2976,

■ 3.3815, 3.9302,

370.1503, 432.5771

5.8299

405.5912,
435.5476, 507.1275

■ 1.3586, 1.6346,
2.6748

■ 0.2264, 0.3807,
0.9307

■ 77.0307, 83.9740,
102.5911

■ 77.0307, 83.9740,
102.5911

■ 67.9727, 76.0656,
101.5434

■ 87.3123, 92.6558,
103.7263

■ 60.0793, 68.8919,
100.5747

■ 94.2556, 99.6822,
104.7166

■ 53.2976, 62.4260,
99.6841

■ 47.5674, 56.6353,
98.8684

■ 42.8224, 51.4837,
98.1241

■ 38.9882, 46.9312,
97.4475

■ 35.9790, 42.9317,
96.8341

■ 33.6909, 39.4296,
96.2788

■ 32.4435, 37.2781,
95.9292

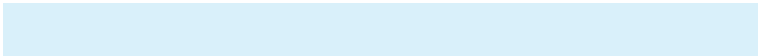
Harmonies

Analogous

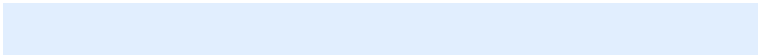
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.5786, 83.9740, 96.7954



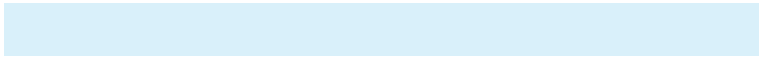
77.0307, 83.9740, 102.5911



79.2501, 83.9740, 105.4199

Triad

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



77.0307, 83.9740, 102.5911



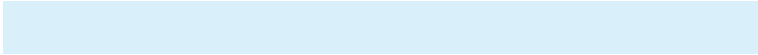
84.5597, 83.9740, 93.0639



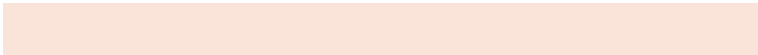
77.9920, 83.9740, 79.6282

Complementary

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



77.0307, 83.9740, 102.5911



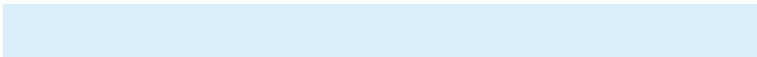
79.4184, 80.2717, 76.9555

Split Complementary

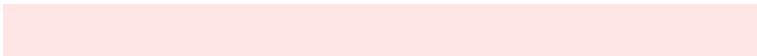
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.3821, 83.9740, 78.7422



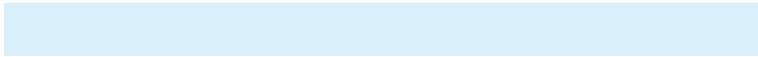
77.0307, 83.9740, 102.5911



84.2063, 83.9740, 86.2732

Square

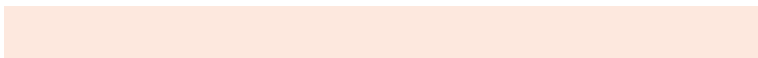
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.0307, 83.9740, 102.5911



83.6211, 83.9740, 99.7409



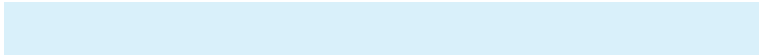
82.6651, 83.9740, 81.1155



76.1257, 83.9740, 83.6005

Rectangle

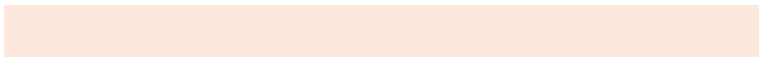
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.0307, 83.9740, 102.5911



80.8794, 83.9740, 105.1459



82.6651, 83.9740, 81.1155



78.7596, 83.9740, 78.9682

Sweetspot

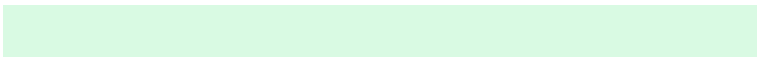
The Sweet Spot groups the original color and five complimentary colors.



77.0332, 83.9775, 102.5930



90.4186, 96.1609, 108.4031



76.6537, 88.6649, 85.6762



19.1720, 20.4310, 23.1831



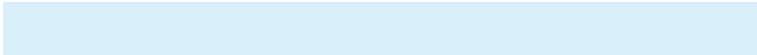
0.0000, 0.0000, 0.0000



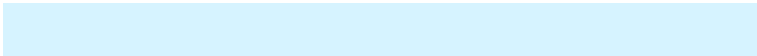
20.3446, 21.4041, 23.3091

Same Dimension

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



77.0332, 83.9775, 102.5930



77.7830, 85.4324, 106.9982



72.4204, 74.7521, 101.0554



17.2960, 18.6689, 22.0772



17.3414, 20.0383, 50.9273



1.6993, 2.0423, 4.7478

Inverse Universe

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



79.9673, 76.2428, 92.9437



81.4606, 75.9038, 94.8670



84.1206, 89.6761, 78.5229



17.7560, 17.4297, 20.5707



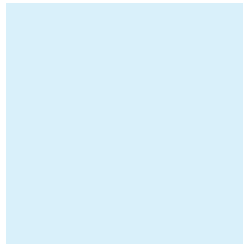
25.0451, 12.4338, 22.7439



2.3666, 1.1704, 2.3542

Previews

White Background



This preview shows how the XYZ color 77.0307, 83.9740, 102.5911 looks on a white background.

Color Contrast Check

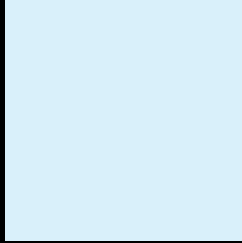
Large Text (above 18pt) WCAG AA × Fail

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 77.0307, 83.9740, 102.5911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

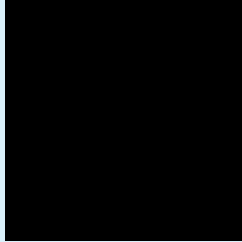
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.0307, 83.9740, 102.5911

Background



This preview shows how black text looks on a background with the XYZ color 77.0307, 83.9740, 102.5911.

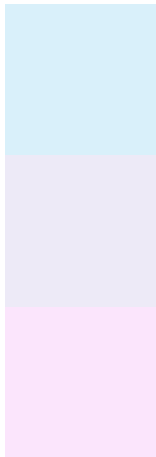


This preview shows how white text looks on a background with the XYZ color 77.0307, 83.9740,

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

77.0307, 83.9740, 102.5911

Protanopia

81.1364, 83.5656, 99.8491

Deuteranopia

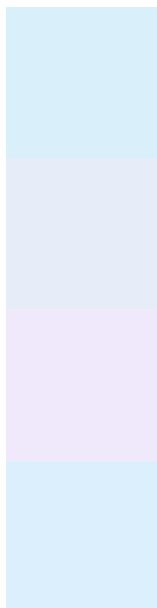
85.3737, 83.5761, 103.7276



Tritanopia

78.4433, 83.7412, 106.6370

Trichromacy



Original Color

77.0307, 83.9740, 102.5911

Protanomaly

79.5719, 83.5912, 100.7478

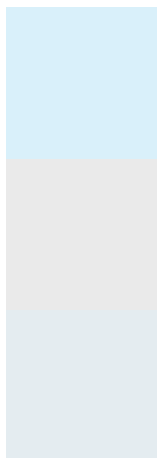
Deuteranomaly

82.1481, 83.5936, 103.0723

Tritanomaly

78.1113, 84.0405, 105.0330

Monochromacy



Original Color

77.0307, 83.9740, 102.5911

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.7185, 82.7762, 94.3193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.0307, 83.9740, 102.5911 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(217, 240, 250)` looks like.

```
.text, #text, p{  
    color:rgb(217, 240, 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(217, 240, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 240, 250) }
```

Border

The CSS property to change the border of an element to XYZ 77.0307, 83.9740, 102.5911 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(217, 240, 250) }
```


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

```
.border{ border-color:rgb(217, 240, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 240, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 240, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 240, 250);  
box-shadow:4px 4px 4px 4px rgb(217, 240,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 77.0307, 83.9740, 102.5911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 240, 250) }
```

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

```
.background{ background-color: rgb(217,  
240, 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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