

Converting Colors

XYZ(77.5997, 90.1506,
102.5368)

Have a look what the booklet for
XYZ(77.5997, 90.1506, 102.5368)
contains.

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Color

**XYZ(77.6778, 90.2119,
102.9411)**

Conversions

Conversions Part 1

Format	Color
Hex	CEFD9
RGB	206, 253, 249
RGB Percent	81%, 99%, 98%
CMY	0.1921, 0.0078, 0.0235
CMYK	0.19, 0.00, 0.02, 0.01
HSL	175°, 92%, 90%
HSV	175°, 19%, 99%
XYZ	77.6778, 90.2119, 102.9411
YIQ	238.4910, -26.7280, -11.2080

Conversions

Conversions Part 2

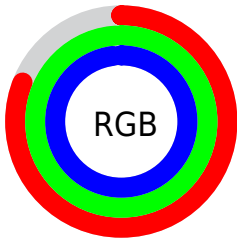
Format	Color
R _{YB}	206, 231, 253
Decimal	13565433
CIE _{Lab}	96.08, -15.65, -3.04
CIE _{LCh}	96, 15.944, 191.008
Y _{xy}	90.2119, 0.2868, 0.3331
Android (android.graphics.Color)	4291755513 (0xFFCEFD9)
YUV	238.4910, 5.1809, -28.4946
Hunter-Lab	94.9799, -20.2316, 2.2263

Details

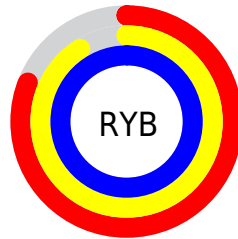
The XYZ color **77.6778, 90.2119, 102.9411** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.2154, 69.6810, 70.5149**, and the grayscale version is **81.6266, 85.8775, 93.5206**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1281, 49.9094, 57.8652** is the 20% darker color. If you saturate the color by 10%, you get **70.8781, 86.7475, 100.8801**, and if you desaturate by 10%, it is **85.6171, 94.2681, 105.0794**.

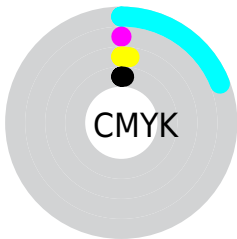
Distribution



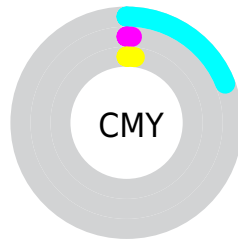
- Red (81%)
- Green (99%)
- Blue (98%)



- Red (81%)
- Yellow (91%)
- Blue (99%)



- Cyan (19%)
- Magenta (0%)
- Yellow (2%)
- Black (1%)



- Cyan (19%)
- Magenta (1%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6778, 90.2119, 102.9411 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 77.6778, 90.2119, 102.9411 by changing the saturation by 10% instead.

77.6778, 90.2119,
102.9411

77.6778, 90.2119,
102.9411

475.9285,
528.7199, 590.9085

58.1112, 68.1564,
78.1285

129.0636,
147.6327, 167.2801

42.1417, 50.0250,
57.6625

161.6135,
183.7668, 207.6436

29.4038, 35.4333,
41.1245

199.2219,
225.3625, 254.0278

19.5323, 23.9968,
28.0959

242.2541,
272.8043, 306.8513

12.1618, 15.3313,
18.1583

291.0755,
326.4766, 366.5325

6.9270, 9.0522,
10.8931

346.0515,

3.4624, 4.7752,

386.7637, 433.4902

5.8817

407.5474,
454.0500, 508.1426

■ 1.4027, 2.1160,
2.7057

■ 0.2582, 0.6736,
0.9463

■ 77.6778, 90.2119,
102.9411

■ 77.6778, 90.2119,
102.9411

■ 70.8781, 86.7475,
100.8801

■ 85.6171, 94.2681,
105.0794

■ 65.1561, 83.8359,
98.8877

■ 94.1462, 98.6255,
107.2635

■ 60.4561, 81.4507,
96.9631

■ 94.4169, 98.7338,
108.6890

■ 56.7142, 79.5590,
95.1033

■ 53.8591, 78.1240,
93.3048

■ 51.8098, 77.1039,
91.5639

■ 50.4701, 76.4493,
89.8758

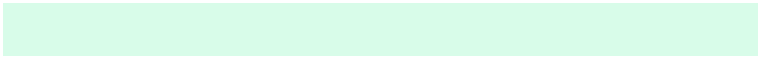
■ 49.7037, 76.0897,
88.2343

■ 49.6152, 76.0491,
88.0034

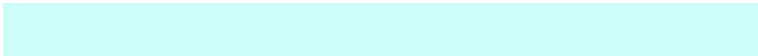
Harmonies

Analogous

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



77.9646, 90.2119, 90.5238



77.6778, 90.2119, 102.9411



79.4958, 90.2119, 115.0573

Triad

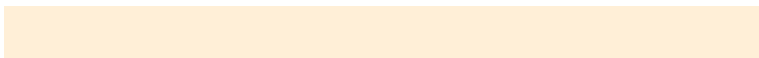
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.6778, 90.2119, 102.9411



91.4354, 90.2119, 117.7379



88.5362, 90.2119, 76.9835

Complementary

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



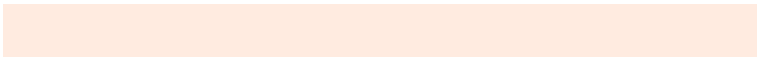
77.6778, 90.2119, 102.9411



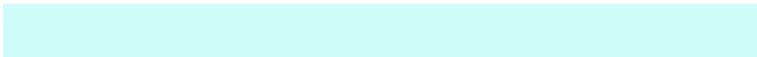
74.2154, 69.6810, 70.5149

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.



92.3106, 90.2119, 83.1208



77.6778, 90.2119, 102.9411



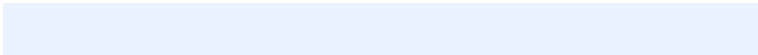
94.0238, 90.2119, 106.3520

Square

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



77.6778, 90.2119, 102.9411



87.3748, 90.2119, 124.0752



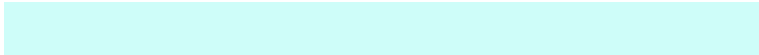
94.3495, 90.2119, 93.6560



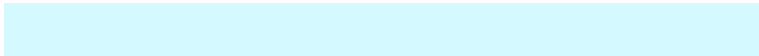
84.1330, 90.2119, 76.2411

Rectangle

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



77.6778, 90.2119, 102.9411



81.6946, 90.2119, 121.0625



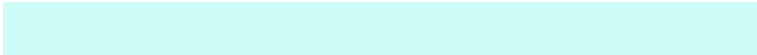
94.3495, 90.2119, 93.6560



89.9245, 90.2119, 78.4576

Sweetspot

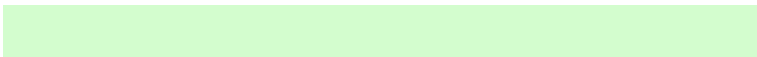
The Sweet Spot groups the original color and five complimentary colors.



77.6804, 90.2156, 102.9431



89.4343, 97.1291, 107.5457



73.0467, 88.5152, 71.6294



19.0175, 20.7257, 22.9880



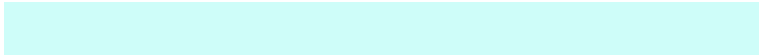
0.0000, 0.0000, 0.0000



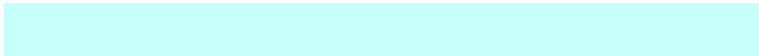
20.3446, 21.4041, 23.3091

Same Dimension

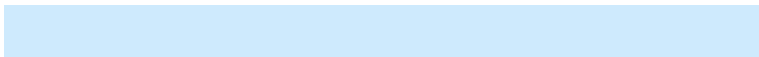
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.6804, 90.2156, 102.9431



76.5768, 90.5645, 104.0696



72.6658, 79.1763, 104.3854



18.4842, 20.4532, 22.8527



26.4194, 40.4643, 46.9552



2.5912, 3.9474, 4.6712

Inverse Universe

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



74.2154, 69.6810, 70.5149



72.5009, 66.4050, 65.9208



78.5229, 79.0843, 69.5205



18.0722, 18.0122, 18.9972



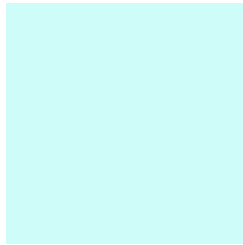
21.6445, 11.1471, 1.5124



2.1279, 1.0935, 0.2548

Previews

White Background



This preview shows how the XYZ color 77.6778, 90.2119, 102.9411 looks on a white background.

Color Contrast Check

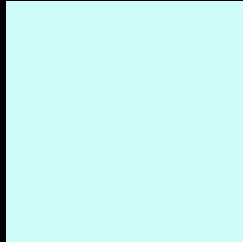
Large Text (above 18pt) WCAG AA × Fail

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 77.6778, 90.2119, 102.9411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

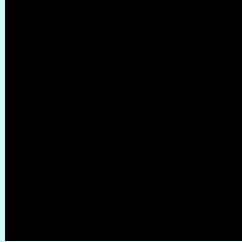
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.6778, 90.2119, 102.9411

Background



This preview shows how black text looks on a background with the XYZ color 77.6778, 90.2119, 102.9411.

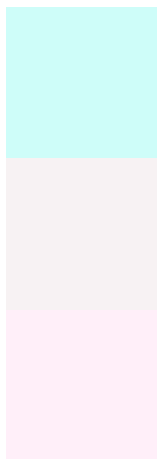


This preview shows how white text looks on a background with the XYZ color 77.6778, 90.2119,

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

77.6778, 90.2119, 102.9411

Protanopia

86.2876, 89.7495, 97.5696

Deuteranopia

89.2054, 89.8326, 102.2603



Tritanopia

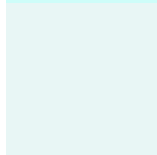
83.6389, 89.9545, 107.5625

Trichromacy



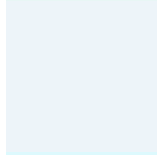
Original Color

77.6778, 90.2119, 102.9411



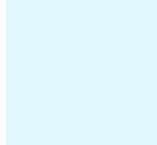
Protanomaly

82.7159, 89.6599, 99.3327



Deuteranomaly

84.3746, 89.5454, 102.4595



Tritanomaly

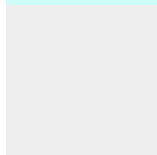
81.4241, 90.2154, 106.0503

Monochromacy



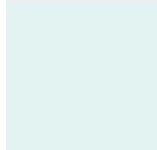
Original Color

77.6778, 90.2119, 102.9411



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

79.4416, 86.6807, 96.5484

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.6778, 90.2119, 102.9411 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(206, 253, 249)` looks like.

```
.text, #text, p{  
    color:rgb(206, 253, 249)  
}
```

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(206, 253, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 253, 249) }
```

Border

The CSS property to change the border of an element to XYZ 77.6778, 90.2119, 102.9411 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(206, 253, 249) }
```


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

```
.border{ border-color:rgb(206, 253, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 253, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 253, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 253, 249);  
box-shadow:4px 4px 4px 4px rgb(206, 253,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 77.6778, 90.2119, 102.9411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 253, 249) }
```

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

```
.background{ background-color: rgb(206,  
253, 249) }
```

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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