

Converting Colors

XYZ(77.6807, 89.7947,
103.0457)

Have a look what the booklet for
XYZ(77.6807, 89.7947, 103.0457)
contains.

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Color

**XYZ(77.6414, 89.7258,
102.8492)**

Conversions

Conversions Part 1

Format	Color
Hex	CFFCF9
RGB	207, 252, 249
RGB Percent	81%, 99%, 98%
CMY	0.1882, 0.0117, 0.0235
CMYK	0.18, 0.00, 0.01, 0.01
HSL	176°, 88%, 90%
HSV	176°, 18%, 99%
XYZ	77.6414, 89.7258, 102.8492
YIQ	238.2030, -25.8570, -10.4730

Conversions

Conversions Part 2

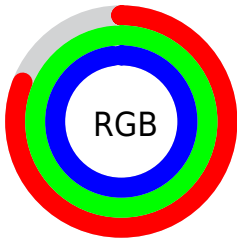
Format	Color
R_{YB}	207, 230, 252
Decimal	13630713
CIE _{Lab}	95.88, -14.85, -3.33
CIE _{LCh}	96, 15.224, 192.649
Yxy	89.7258, 0.2873, 0.3321
Android (android.graphics.Color)	4291820793 (0xFFCFFCF9)
YUV	238.2030, 5.3229, -27.3650
Hunter-Lab	94.7237, -19.4569, 1.9306

Details

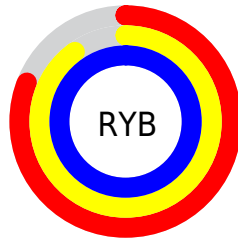
The XYZ color **77.6414, 89.7258, 102.8492** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.0938, 69.9766, 70.5782**, and the grayscale version is **81.4018, 85.6410, 93.2630**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0896, 49.5559, 57.7990** is the 20% darker color. If you saturate the color by 10%, you get **70.8946, 86.2802, 101.1719**, and if you desaturate by 10%, it is **85.5194, 93.7590, 104.5955**.

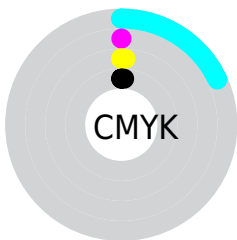
Distribution



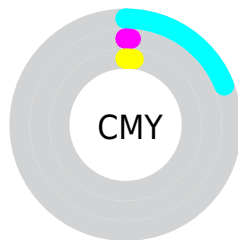
- Red (81%)
- Green (99%)
- Blue (98%)



- Red (81%)
- Yellow (90%)
- Blue (99%)



- Cyan (18%)
- Magenta (0%)
- Yellow (1%)
- Black (1%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6414, 89.7258, 102.8492 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 77.6414, 89.7258, 102.8492 by changing the saturation by 10% instead.

77.6414, 89.7258,
102.8492

77.6414, 89.7258,
102.8492

475.8066,
527.1385, 590.6139

58.0812, 67.7532,
78.0520

129.0125,
146.9575, 167.1531

42.1175, 49.6970,
57.6000

161.5542,
182.9854, 207.4969

29.3848, 35.1727,
41.0746

199.1537,
224.4672, 253.8600

19.5178, 23.7960,
28.0573

242.1764,
271.7872, 306.6609

12.1513, 15.1823,
18.1294

290.9877,
325.3300, 366.3182

6.9197, 8.9474,
10.8725

345.9529,

3.4578, 4.7069,

385.4799, 433.2505

5.8681

407.4374,
452.6213, 507.8762

■ 1.4002, 2.0763,
2.6975

■ 0.2564, 0.6513,
0.9422

■ 77.6414, 89.7258,
102.8492

■ 77.6414, 89.7258,
102.8492

■ 70.8946, 86.2802,
101.1719

■ 85.5194, 93.7590,
104.5955

■ 65.2180, 83.3838,
99.5551

■ 93.6807, 97.9356,
106.3654

■ 60.5568, 81.0105,
97.9979

■ 93.9490, 98.0429,
107.7783

■ 56.8480, 79.1279,
96.4975

■ 94.1021, 98.1041,
108.5840

■ 54.0217, 77.7000,
95.0505

■ 51.9985, 76.6858,
93.6532

■ 50.6846, 76.0370,
92.3012

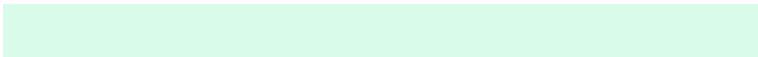
■ 49.9541, 75.6887,
90.9885

■ 49.8344, 75.6330,
90.7106

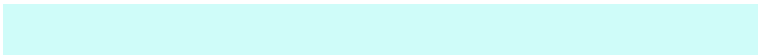
Harmonies

Analogous

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



77.8026, 89.7258, 90.9590



77.6414, 89.7258, 102.8492



79.4781, 89.7258, 114.2200

Triad

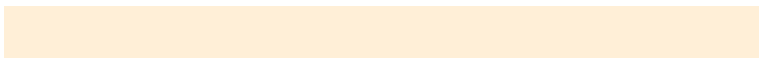
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.6414, 89.7258, 102.8492



90.8714, 89.7258, 115.7158



87.7131, 89.7258, 77.2395

Complementary

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



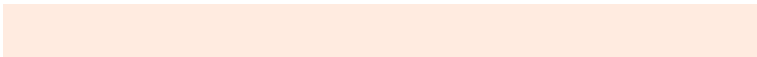
77.6414, 89.7258, 102.8492



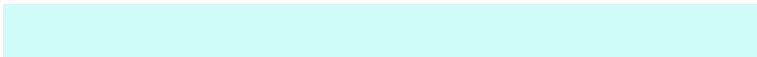
74.0938, 69.9766, 70.5782

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.



91.3611, 89.7258, 82.8481



77.6414, 89.7258, 102.8492



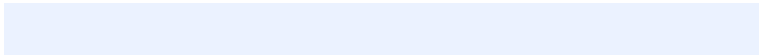
93.2253, 89.7258, 104.7580

Square

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



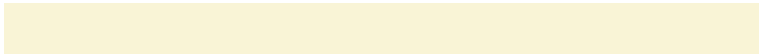
77.6414, 89.7258, 102.8492



87.0625, 89.7258, 122.0479



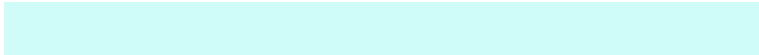
93.4074, 89.7258, 92.7181



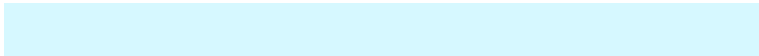
83.5253, 89.7258, 76.8202

Rectangle

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



77.6414, 89.7258, 102.8492



81.6245, 89.7258, 119.7147



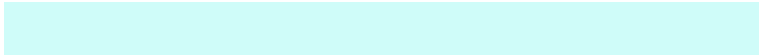
93.4074, 89.7258, 92.7181



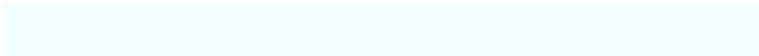
89.0465, 89.7258, 78.5579

Sweetspot

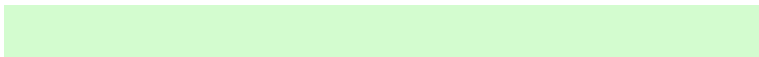
The Sweet Spot groups the original color and five complimentary colors.



77.6440, 89.7295, 102.8512



90.3771, 97.6068, 107.9678



72.8680, 87.9416, 72.1668



19.2091, 20.8226, 23.0818



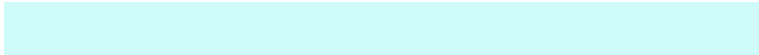
0.0000, 0.0000, 0.0000



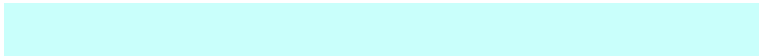
20.3446, 21.4041, 23.3091

Same Dimension

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



77.6440, 89.7295, 102.8512



77.4484, 90.9919, 105.1005



72.5152, 78.7161, 103.4716



17.7129, 19.5874, 21.9545



25.9801, 39.4050, 47.3660



2.4208, 3.6554, 4.4640

Inverse Universe

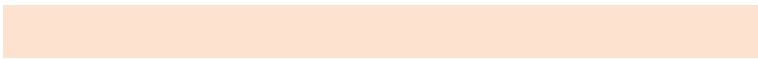
The Inverse Universe completely reimagines the original color for something new.



74.0938, 69.9766, 70.5782



73.2540, 67.6523, 66.9701



78.5389, 79.4603, 70.2309



17.2916, 17.2440, 18.1253



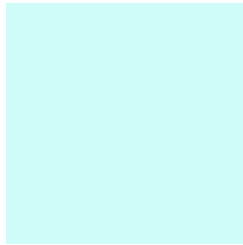
20.9820, 10.8085, 1.3476



1.9592, 1.0074, 0.2085

Previews

White Background



This preview shows how the XYZ color 77.6414, 89.7258, 102.8492 looks on a white background.

Color Contrast Check

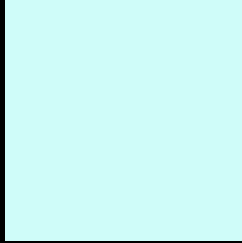
Large Text (above 18pt) WCAG AA × Fail

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 77.6414, 89.7258, 102.8492 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 77.6414, 89.7258, 102.8492

Background



This preview shows how black text looks on a background with the XYZ color 77.6414, 89.7258, 102.8492.

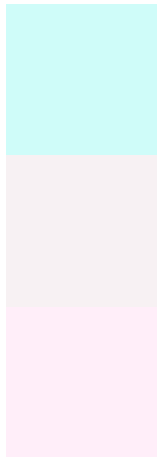


This preview shows how white text looks on a background with the XYZ color 77.6414, 89.7258,

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

77.6414, 89.7258, 102.8492

Protanopia

85.9907, 89.1558, 97.4706

Deuteranopia

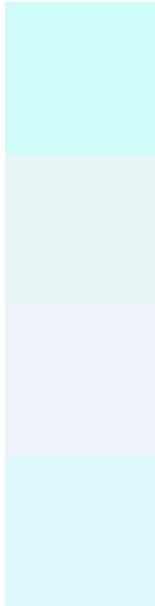
88.9134, 89.2486, 102.1630



Tritanopia

83.3189, 89.7895, 107.5475

Trichromacy



Original Color

77.6414, 89.7258, 102.8492

Protanomaly

82.4125, 89.0532, 99.2316

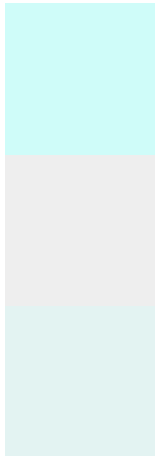
Deuteranomaly

84.4094, 89.1179, 102.3752

Tritanomaly

81.1158, 89.5988, 105.9475

Monochromacy



Original Color

77.6414, 89.7258, 102.8492

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

79.7562, 86.8429, 96.5632

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.6414, 89.7258, 102.8492 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(207, 252, 249)` looks like.

```
.text, #text, p{  
    color:rgb(207, 252, 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(207, 252, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 252, 249) }
```

Border

The CSS property to change the border of an element to XYZ 77.6414, 89.7258, 102.8492 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(207, 252, 249) }
```


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

```
.border{ border-color:rgb(207, 252, 249) }
```

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

Here you see how a box with a 4 pixel rgb(207, 252, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 252, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 252, 249);  
box-shadow:4px 4px 4px 4px rgb(207, 252,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 77.6414, 89.7258, 102.8492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 252, 249) }
```

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

```
.background{ background-color: rgb(207,  
252, 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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