

Converting Colors

XYZ(77.3628, 90.6430,
108.0261)

Have a look what the booklet for
XYZ(77.3628, 90.6430, 108.0261)
contains.

XYZ(77.3112, 90.3830, 107.9787)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(77.3112, 90.3830,
107.9787)**

Conversions

Conversions Part 1

Format	Color
Hex	C8FEFF
RGB	200, 254, 255
RGB Percent	78%, 100%, 100%
CMY	0.2157, 0.0039, 0.0000
CMYK	0.22, 0.00, 0.00, 0.00
HSL	181°, 100%, 89%
HSV	181°, 22%, 100%
XYZ	77.3112, 90.3830, 107.9787
YIQ	237.9680, -32.5050, -11.1370

Conversions

Conversions Part 2

Format	Color
R_{YB}	200, 227, 255
Decimal	13172479
CIE _{Lab}	96.16, -16.69, -6.07
CIE _{LCh}	96, 17.763, 199.993
Yxy	90.3830, 0.2804, 0.3279
Android (android.graphics.Color)	4291362559 (0xFFC8FEFF)
YUV	237.9680, 8.3968, -33.2979
Hunter-Lab	95.0700, -21.2157, -0.7915

Details

The XYZ color **77.3112, 90.3830, 107.9787** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.5517, 67.2024, 63.7927**, and the grayscale version is **81.2003, 85.4291, 93.0323**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8363, 50.0295, 60.8777** is the 20% darker color. If you saturate the color by 10%, you get **70.9150, 86.8709, 107.6379**, and if you desaturate by 10%, it is **84.8483, 94.4885, 108.3739**.

Distribution



- Red (78%)
- Green (100%)
- Blue (100%)



- Red (78%)
- Yellow (89%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.3112, 90.3830, 107.9787 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 77.3112, 90.3830, 107.9787 by changing the saturation by 10% instead.

77.3112, 90.3830,
107.9787

77.3112, 90.3830,
107.9787

474.7001,
529.2759, 606.9452

57.8091, 68.2983,
82.3265

128.5492,
147.8703, 174.2265

41.8979, 50.1405,
61.0973

161.0158,
184.0417, 215.6591

29.2121, 35.5250,
43.8726

198.5347,
225.6775, 263.1889

19.3864, 24.0676,
30.2339

241.4712,
273.1621, 317.2345

12.0555, 15.3838,
19.7627

290.1906,
326.8798, 378.2144

6.8539, 9.0892,
12.0403

345.0583,

3.4164, 4.7994,

387.2151, 446.5471

6.6482

406.4397,
454.5523, 522.6512

■ 1.3776, 2.1300,
3.1680

■ 0.2402, 0.6814,
1.1810

■ 77.3112, 90.3830,
107.9787

■ 77.3112, 90.3830,
107.9787

■ 70.9150, 86.8709,
107.6379

■ 84.8483, 94.4885,
108.3739

■ 65.5962, 83.9125,
107.3472

■ 93.5715, 99.2036,
108.8242

■ 61.2963, 81.4797,
107.1043

■ 95.0500, 100.0000,
108.9000

■ 57.9479, 79.5381,
106.9060

■ 55.4759, 78.0488,
106.7488

■ 53.7938, 76.9671,
106.6287

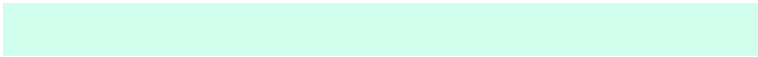
■ 52.7973, 76.2395,
106.5407

■ 52.3560, 75.8320,
106.4853

Harmonies

Analogous

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



76.9142, 90.3830, 93.7741



77.3112, 90.3830, 107.9787



79.9612, 90.3830, 120.6809

Triad

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



77.3112, 90.3830, 107.9787



93.3658, 90.3830, 116.8965



87.5623, 90.3830, 74.0473

Complementary

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



77.3112, 90.3830, 107.9787



72.5517, 67.2024, 63.7927

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.



92.1390, 90.3830, 79.0658



77.3112, 90.3830, 107.9787



95.5734, 90.3830, 103.1998

Square

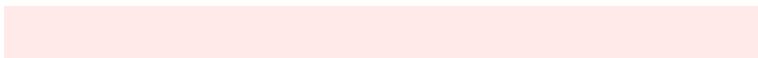
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.3112, 90.3830, 107.9787



89.1849, 90.3830, 126.1607



95.1160, 90.3830, 89.4272



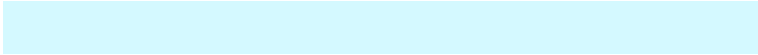
82.7091, 90.3830, 75.0627

Rectangle

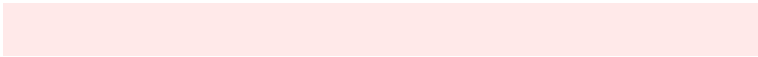
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



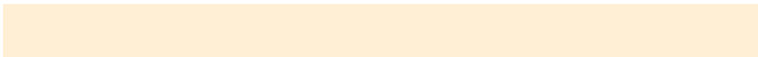
77.3112, 90.3830, 107.9787



82.7071, 90.3830, 126.1582



95.1160, 90.3830, 89.4272



89.1870, 90.3830, 75.0645

Sweetspot

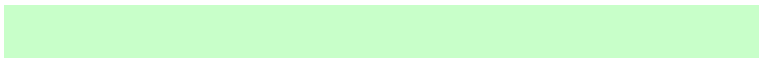
The Sweet Spot groups the original color and five complimentary colors.



77.3135, 90.3866, 107.9792



89.5552, 97.0363, 108.6176



70.1132, 88.0130, 68.5014



19.0462, 20.7037, 23.2423



0.0000, 0.0000, 0.0000



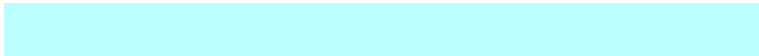
20.3446, 21.4041, 23.3091

Same Dimension

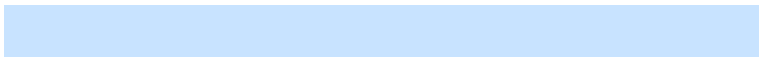
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.3135, 90.3866, 107.9792



74.3405, 88.7576, 107.8215



69.2257, 74.2110, 105.2833



18.5250, 20.4217, 23.2154



27.3700, 39.6495, 55.6452



2.6736, 3.8778, 5.4209

Inverse Universe

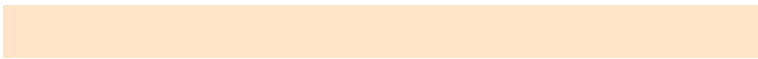
The Inverse Universe completely reimagines the original color for something new.



79.7851, 69.7259, 103.0235



77.2306, 64.6692, 102.0105



79.5242, 81.1473, 66.1168



18.7777, 18.2944, 22.7123



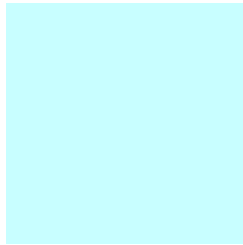
30.6033, 14.7306, 48.6888



2.9841, 1.4360, 4.7637

Previews

White Background



This preview shows how the XYZ color 77.3112, 90.3830, 107.9787 looks on a white background.

Color Contrast Check

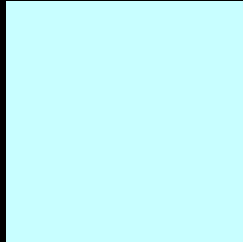
Large Text (above 18pt) WCAG AA × Fail

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 77.3112, 90.3830, 107.9787 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 77.3112, 90.3830, 107.9787

Background



This preview shows how black text looks on a background with the XYZ color 77.3112, 90.3830, 107.9787.

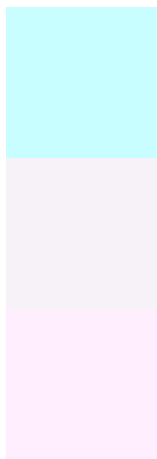


This preview shows how white text looks on a background with the XYZ color 77.3112, 90.3830,

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

77.3112, 90.3830, 107.9787

Protanopia

86.7014, 89.8744, 101.5848

Deuteranopia

89.7039, 89.5648, 106.3258



Tritanopia

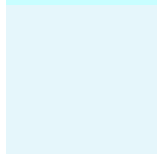
83.3057, 90.2355, 107.6343

Trichromacy



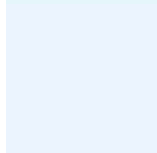
Original Color

77.3112, 90.3830, 107.9787



Protanomaly

82.6815, 89.5346, 104.1909



Deuteranomaly

84.5010, 89.5193, 106.5912



Tritanomaly

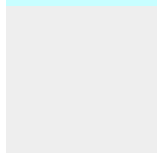
81.1490, 90.4966, 107.7983

Monochromacy



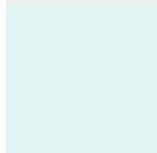
Original Color

77.3112, 90.3830, 107.9787



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

79.4203, 87.0803, 98.2102

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.3112, 90.3830, 107.9787 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(200, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 254, 255)  
}
```

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(200, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 254, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.3112, 90.3830, 107.9787 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(200, 254, 255) }
```


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

```
.border{ border-color:rgb(200, 254, 255) }
```

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

Here you see how a box with a 4 pixel rgb(200, 254, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 254,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.3112, 90.3830, 107.9787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 254, 255) }
```

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

```
.background{ background-color: rgb(200,  
254, 255) }
```

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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