

Converting Colors

XYZ(77.8288, 91.2875,
100.6227)

Have a look what the booklet for
XYZ(77.8288, 91.2875, 100.6227)
contains.

XYZ(77.8482, 91.2956, 100.7076)	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(77.8482, 91.2956,
100.7076)**

Conversions

Conversions Part 1

Format	Color
Hex	CEFFF6
RGB	206, 255, 246
RGB Percent	81%, 100%, 96%
CMY	0.1921, 0.0000, 0.0353
CMYK	0.19, 0.00, 0.04, 0.00
HSL	169°, 100%, 90%
HSV	169°, 19%, 100%
XYZ	77.8482, 91.2956, 100.7076
YIQ	239.3230, -26.3150, -13.1870

Conversions

Conversions Part 2

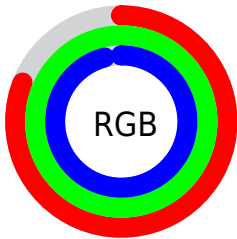
Format	Color
R_{YB}	206, 233, 255
Decimal	13565942
CIE _{Lab}	96.53, -17.24, -0.84
CIE _{LCh}	97, 17.257, 182.802
Yxy	91.2956, 0.2885, 0.3383
Android (android.graphics.Color)	4291756022 (0xFFCEFFF6)
YUV	239.3230, 3.2918, -29.2243
Hunter-Lab	95.5487, -21.7776, 4.3929

Details

The XYZ color **77.8482, 91.2956, 100.7076** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.5778, 70.3103, 73.8784**, and the grayscale version is **82.2853, 86.5706, 94.2754**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2508, 50.6852, 56.2716** is the 20% darker color. If you saturate the color by 10%, you get **70.6245, 87.6537, 96.6656**, and if you desaturate by 10%, it is **86.2404, 95.5379, 104.9018**.

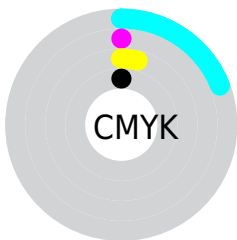
Distribution



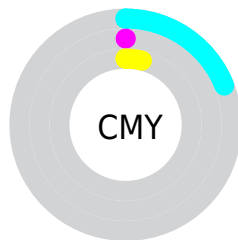
- Red (81%)
- Green (100%)
- Blue (96%)



- Red (81%)
- Yellow (91%)
- Blue (100%)



- Cyan (19%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)



- Cyan (19%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8482, 91.2956, 100.7076 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 77.8482, 91.2956, 100.7076 by changing the saturation by 10% instead.

77.8482, 91.2956,
100.7076

77.8482, 91.2956,
100.7076

476.4988,
532.2364, 583.7250

58.2516, 69.0557,
76.2714

129.3026,
149.1367, 164.1896

42.2550, 50.7571,
56.1471

161.8912,
185.5068, 204.0725

29.4930, 36.0153,
39.9161

199.5411,
227.3557, 249.9414

19.6003, 24.4460,
27.1599

242.6178,
275.0678, 302.2149

12.2114, 15.6648,
17.4598

291.4865,
329.0275, 361.3114

6.9610, 9.2873,
10.3975

346.5127,

3.4838, 4.9290,

389.6193, 427.6496

5.5542

408.0617,
457.2274, 501.6479

■ 1.4145, 2.2057,
2.5116

■ 0.2665, 0.7231,
0.8463

■ 77.8482, 91.2956,
100.7076

■ 77.8482, 91.2956,
100.7076

■ 70.6245, 87.6537,
96.6656

■ 86.2404, 95.5379,
104.9018

■ 64.5110, 84.5820,
92.7681

95.0500, 100.0000,
108.9000

■ 59.4486, 82.0501,
89.0129

■ 55.3717, 80.0242,
85.3964

■ 52.2069, 78.4665,
81.9145

■ 49.8707, 77.3339,
78.5624

■ 48.2637, 76.5753,
75.3348

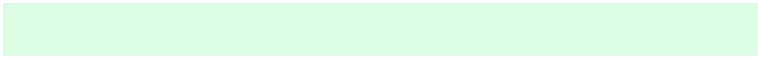
■ 47.2366, 76.1135,
72.2240

■ 47.1662, 76.0825,
71.9840

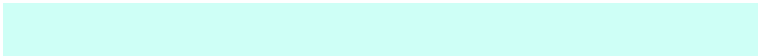
Harmonies

Analogous

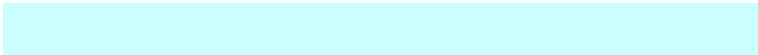
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.7942, 91.2956, 87.7683



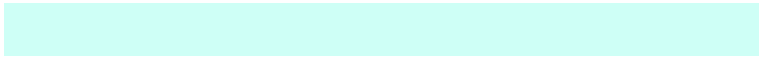
77.8482, 91.2956, 100.7076



79.2195, 91.2956, 114.4779

Triad

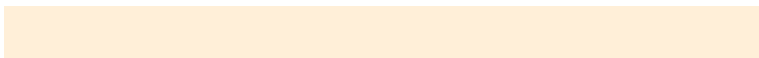
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.8482, 91.2956, 100.7076



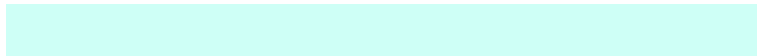
91.8883, 91.2956, 123.4084



91.0760, 91.2956, 77.6312

Complementary

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



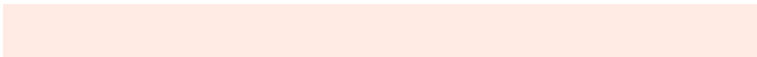
77.8482, 91.2956, 100.7076



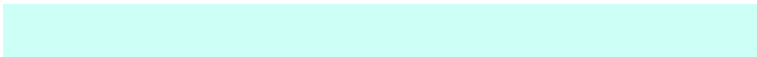
75.5778, 70.3103, 73.8784

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.



94.7935, 91.2956, 85.7176



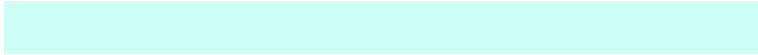
77.8482, 91.2956, 100.7076



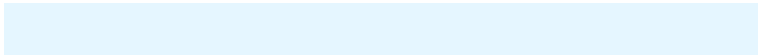
95.2745, 91.2956, 112.0282

Square

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



77.8482, 91.2956, 100.7076



87.2272, 91.2956, 128.3208



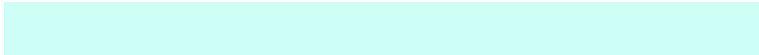
96.3567, 91.2956, 98.1145



86.3218, 91.2956, 75.1969

Rectangle

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



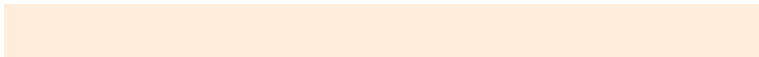
77.8482, 91.2956, 100.7076



81.2941, 91.2956, 122.0652



96.3567, 91.2956, 98.1145



92.4942, 91.2956, 79.7392

Sweetspot

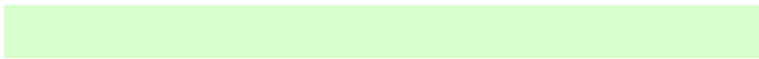
The Sweet Spot groups the original color and five complimentary colors.



77.8492, 91.2961, 100.7091



89.1943, 97.0331, 106.2818



75.1614, 90.5452, 71.9098



18.9606, 20.7029, 22.6884



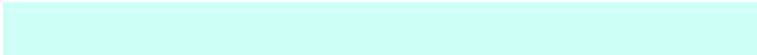
0.0000, 0.0000, 0.0000



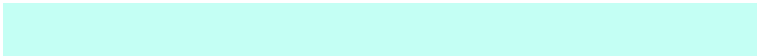
20.3446, 21.4041, 23.3091

Same Dimension

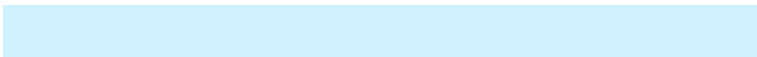
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.8492, 91.2961, 100.7091



74.9801, 89.8483, 99.1611



74.7531, 82.8396, 106.6575



18.4033, 20.4209, 22.4268



24.6970, 39.7754, 37.8850



2.4401, 3.8870, 3.8755

Inverse Universe

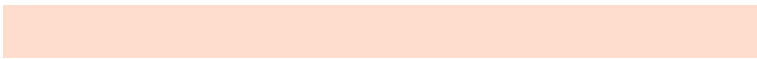
The Inverse Universe completely reimagines the original color for something new.



75.5778, 70.3103, 73.8784



72.3362, 65.4088, 67.9216



78.1587, 77.2720, 69.1898



18.1456, 18.0415, 19.3838



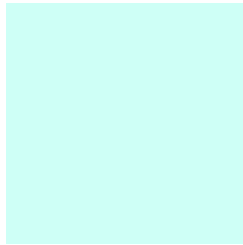
21.8540, 11.2309, 2.6156



2.1627, 1.1075, 0.4383

Previews

White Background



This preview shows how the XYZ color 77.8482, 91.2956, 100.7076 looks on a white background.

Color Contrast Check

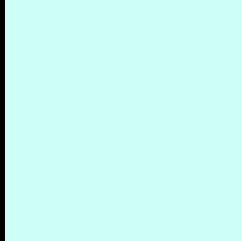
Large Text (above 18pt) WCAG AA × Fail

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 77.8482, 91.2956, 100.7076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

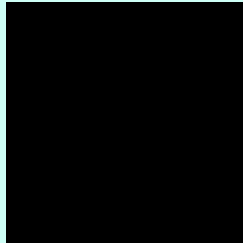
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

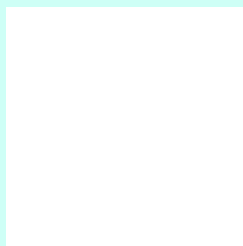
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.8482, 91.2956, 100.7076

Background



This preview shows how black text looks on a background with the XYZ color 77.8482, 91.2956, 100.7076.



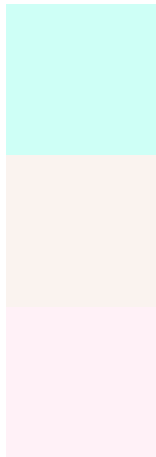
This preview shows how white text looks on a background with the XYZ color 77.8482, 91.2956,

100.7076.

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

77.8482, 91.2956, 100.7076

Protanopia

87.0549, 90.6572, 94.5717

Deuteranopia

89.4838, 90.8860, 100.8221



Tritanopia

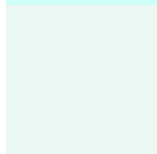
84.5895, 90.8973, 107.6943

Trichromacy



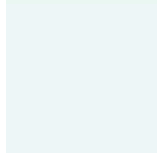
Original Color

77.8482, 91.2956, 100.7076



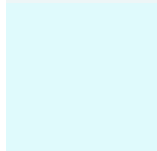
Protanomaly

83.2195, 90.4248, 97.0720



Deuteranomaly

84.6693, 90.6315, 101.0268



Tritanomaly

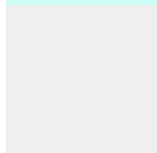
82.1877, 91.0875, 105.3453

Monochromacy



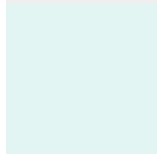
Original Color

77.8482, 91.2956, 100.7076



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

80.3580, 88.0465, 96.7638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8482, 91.2956, 100.7076 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, 255, 246)` looks like.

```
.text, #text, p{  
    color:rgb(206, 255, 246)  
}
```

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, 255, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 255, 246) }
```

Border

The CSS property to change the border of an element to XYZ 77.8482, 91.2956, 100.7076 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, 255, 246) }
```


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

```
.border{ border-color:rgb(206, 255, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 255, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 255, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 255, 246);  
box-shadow:4px 4px 4px 4px rgb(206, 255,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8482, 91.2956, 100.7076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 255, 246) }
```

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

```
.background{ background-color: rgb(206,  
255, 246) }
```

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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