

Converting Colors

XYZ(77.8916, 91.4833, 96.2195)

Have a look what the booklet for
XYZ(77.8916, 91.4833, 96.2195)
contains.

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Color

**XYZ(77.7827, 91.3666,
95.9740)**

Conversions

Conversions Part 1

Format	Color
Hex	D1FFF0
RGB	209, 255, 240
RGB Percent	82%, 100%, 94%
CMY	0.1804, 0.0000, 0.0588
CMYK	0.18, 0.00, 0.06, 0.00
HSL	160°, 100%, 91%
HSV	160°, 18%, 100%
XYZ	77.7827, 91.3666, 95.9740
YIQ	239.5360, -22.6010, -14.4170

Conversions

Conversions Part 2

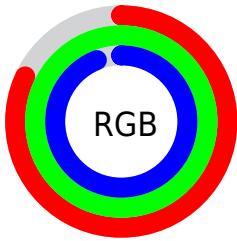
Format	Color
R_{YB}	209, 236, 255
Decimal	13762544
CIE _{Lab}	96.56, -17.49, 2.31
CIE _{LCh}	97, 17.645, 172.481
Yxy	91.3666, 0.2934, 0.3446
Android (android.graphics.Color)	4291952624 (0xFFD1FFF0)
YUV	239.5360, 0.2288, -26.7801
Hunter-Lab	95.5859, -22.0215, 7.3794

Details

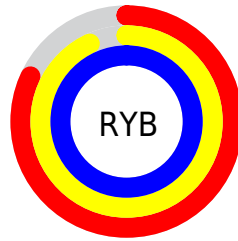
The XYZ color **77.7827, 91.3666, 95.9740** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.4956, 72.2439, 80.3813**, and the grayscale version is **82.4724, 86.7674, 94.4897**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1722, 50.7189, 52.9144** is the 20% darker color. If you saturate the color by 10%, you get **69.9292, 87.4574, 89.3065**, and if you desaturate by 10%, it is **86.8493, 95.8945, 102.9966**.

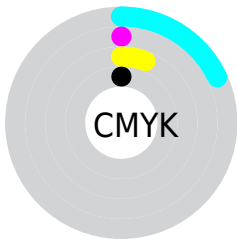
Distribution



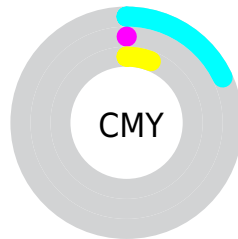
- Red (82%)
- Green (100%)
- Blue (94%)



- Red (82%)
- Yellow (93%)
- Blue (100%)



- Cyan (18%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)



- Cyan (18%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.7827, 91.3666, 95.9740 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 77.7827, 91.3666, 95.9740 by changing the saturation by 10% instead.

77.7827, 91.3666,
95.9740

77.7827, 91.3666,
95.9740

476.2796,
532.4664, 568.3423

58.1977, 69.1147,
72.3445

129.2107,
149.2352, 157.6167

42.2114, 50.8051,
52.9516

161.7844,
185.6207, 196.4670

29.4587, 36.0535,
37.3767

199.4184,
227.4861, 241.2280

19.5741, 24.4755,
25.2012

242.4780,
275.2159, 292.3182

12.1923, 15.6867,
16.0066

291.3286,
329.1944, 350.1562

6.9479, 9.3028,
9.3744

346.3355,

3.4756, 4.9392,

389.8060, 415.1605

4.8861

407.8640,
457.4353, 487.7497

■ 1.4100, 2.2116,
2.1230

■ 0.2633, 0.7263,
0.6294

■ 77.7827, 91.3666,
95.9740

■ 77.7827, 91.3666,
95.9740

■ 69.9292, 87.4574,
89.3065

■ 86.8493, 95.8945,
102.9966

■ 63.2306, 84.1372,
82.9832

95.0500, 100.0000,
108.9000

■ 57.6277, 81.3754,
76.9988

■ 53.0548, 79.1384,
71.3461

■ 49.4391, 77.3886,
66.0176

■ 46.6978, 76.0835,
61.0050

■ 44.7330, 75.1728,
56.2996

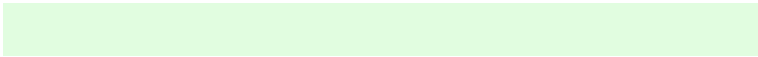
■ 43.4125, 74.5882,
51.8906

■ 43.1924, 74.4929,
51.0583

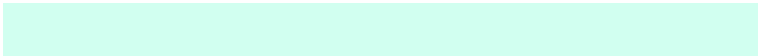
Harmonies

Analogous

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



79.5411, 91.3666, 83.8552



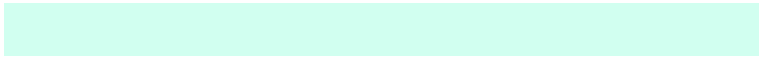
77.7827, 91.3666, 95.9740



78.3775, 91.3666, 110.2231

Triad

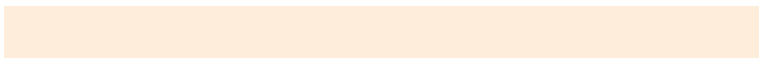
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.7827, 91.3666, 95.9740



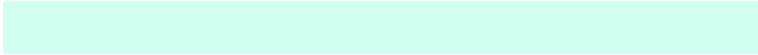
90.5147, 91.3666, 126.7205



92.7402, 91.3666, 79.4757

Complementary

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



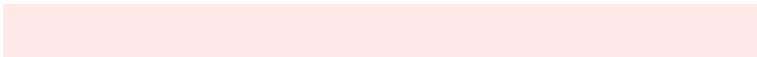
77.7827, 91.3666, 95.9740



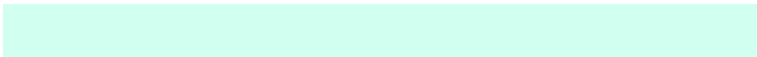
77.4956, 72.2439, 80.3813

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.



95.8933, 91.3666, 89.4637



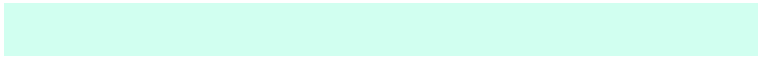
77.7827, 91.3666, 95.9740



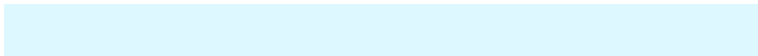
94.5748, 91.3666, 116.9403

Square

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



77.7827, 91.3666, 95.9740



85.6073, 91.3666, 128.8815



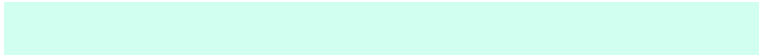
96.5771, 91.3666, 103.0759



88.0869, 91.3666, 74.9335

Rectangle

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



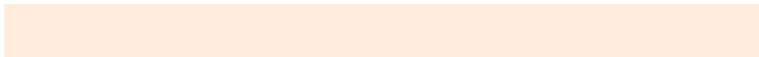
77.7827, 91.3666, 95.9740



80.0394, 91.3666, 118.9560



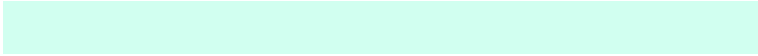
96.5771, 91.3666, 103.0759



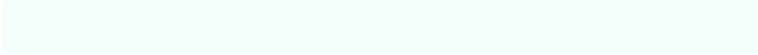
94.0178, 91.3666, 82.2598

Sweetspot

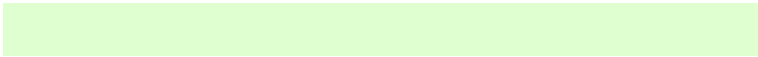
The Sweet Spot groups the original color and five complimentary colors.



77.7836, 91.3670, 95.9755



89.8516, 97.3966, 105.2006



78.1133, 92.0244, 73.9686



19.0811, 20.7714, 22.4075



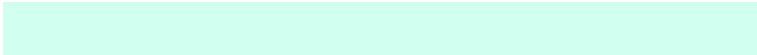
0.0000, 0.0000, 0.0000



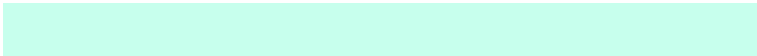
20.3446, 21.4041, 23.3091

Same Dimension

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



77.7836, 91.3670, 95.9755



74.5301, 89.7458, 93.2917



77.7080, 87.5015, 107.4016



18.2882, 20.3748, 21.8204



22.6405, 38.9528, 27.0561



2.2547, 3.8128, 2.8991

Inverse Universe

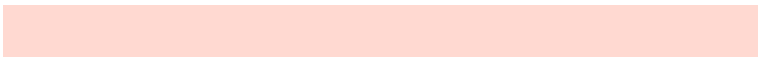
The Inverse Universe completely reimagines the original color for something new.



77.4956, 72.2439, 80.3813



74.1898, 67.0806, 74.8144



77.4764, 75.3186, 70.7776



18.2535, 18.0847, 19.9522



22.4282, 11.4606, 5.6393



2.2315, 1.1350, 0.8006

Previews

White Background



This preview shows how the XYZ color 77.7827, 91.3666, 95.9740 looks on a white background.

Color Contrast Check

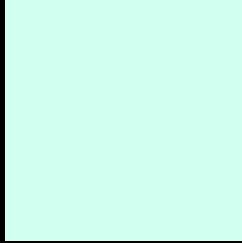
Large Text (above 18pt) WCAG AA × Fail

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 77.7827, 91.3666, 95.9740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

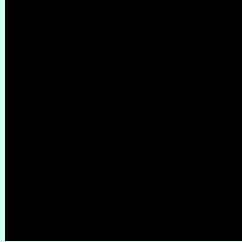
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

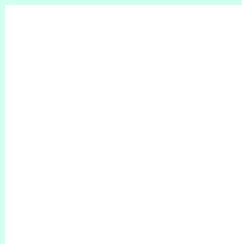
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.7827, 91.3666, 95.9740

Background



This preview shows how black text looks on a background with the XYZ color 77.7827, 91.3666, 95.9740.



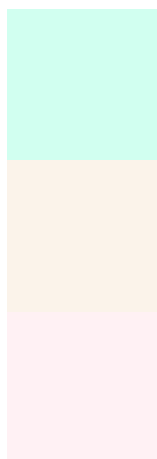
This preview shows how white text looks on a background with the XYZ color 77.7827, 91.3666,

95.9740.

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

77.7827, 91.3666, 95.9740

Protanopia

86.6855, 90.5509, 90.7512

Deuteranopia

89.0244, 90.7022, 98.4031



Tritanopia

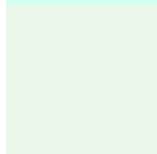
85.2424, 91.2340, 107.7249

Trichromacy



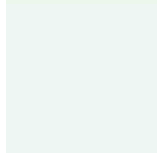
Original Color

77.7827, 91.3666, 95.9740



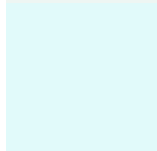
Protanomaly

82.9932, 90.4105, 92.4336



Deuteranomaly

84.3933, 90.5597, 97.8258



Tritanomaly

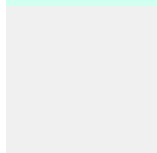
82.4923, 91.2809, 103.7136

Monochromacy



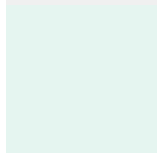
Original Color

77.7827, 91.3666, 95.9740



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

80.6937, 88.2541, 95.2198

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.7827, 91.3666, 95.9740 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(209, 255, 240)` looks like.

```
.text, #text, p{  
    color:rgb(209, 255, 240)  
}
```

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(209, 255, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 255, 240) }
```

Border

The CSS property to change the border of an element to XYZ 77.7827, 91.3666, 95.9740 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(209, 255, 240) }
```


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

```
.border{ border-color:rgb(209, 255, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 255, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 255, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 255, 240);  
box-shadow:4px 4px 4px 4px rgb(209, 255,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 77.7827, 91.3666, 95.9740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 255, 240) }
```

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

```
.background{ background-color: rgb(209,  
255, 240) }
```

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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