

Converting Colors

XYZ(81.7592, 100.0000,
100.9747)

Have a look what the booklet for
XYZ(81.7592, 100.0000, 100.9747)
contains.

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Color

**XYZ(77.2660, 91.0308,
99.0863)**

Conversions

Conversions Part 1

Format	Color
Hex	CDFFF4
RGB	205, 255, 244
RGB Percent	80%, 100%, 96%
CMY	0.1961, 0.0000, 0.0431
CMYK	0.20, 0.00, 0.04, 0.00
HSL	167°, 100%, 90%
HSV	167°, 20%, 100%
XYZ	77.2660, 91.0308, 99.0863
YIQ	238.7960, -26.2690, -14.0210

Conversions

Conversions Part 2

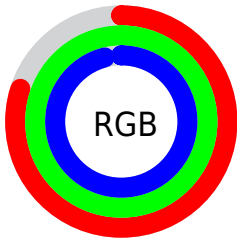
Format	Color
R _Y B	205, 233, 255
Decimal	13500404
CIE Lab	96.42, -17.94, 0.02
CIE LCh	96, 17.936, 179.936
Yxy	91.0308, 0.2890, 0.3405
Android (android.graphics.Color)	4291690484 (0xFFCDFFF4)
YUV	238.7960, 2.5656, -29.6391
Hunter-Lab	95.4101, -22.4128, 5.2125

Details

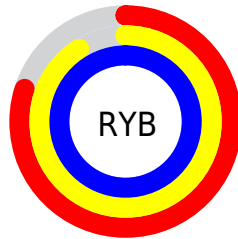
The XYZ color **77.2660, 91.0308, 99.0863** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.4667, 69.8817, 74.4772**, and the grayscale version is **81.8805, 86.1447, 93.8115**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8489, 50.5030, 55.1193** is the 20% darker color. If you saturate the color by 10%, you get **69.9571, 87.3598, 94.3666**, and if you desaturate by 10%, it is **85.7490, 95.3040, 103.9992**.

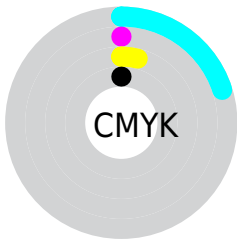
Distribution



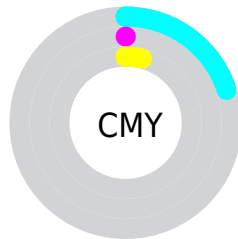
- Red (80%)
- Green (100%)
- Blue (96%)



- Red (80%)
- Yellow (91%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.2660, 91.0308, 99.0863 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 77.2660, 91.0308, 99.0863 by changing the saturation by 10% instead.


 77.2660, 91.0308,
99.0863

 77.2660, 91.0308,
99.0863


474.5485,
531.3783, 578.4809

 57.7719, 68.8359,
74.9251


128.4857,
148.7694, 161.9419

 41.8678, 50.5781,
55.0501


160.9421,
185.0819, 201.4733

 29.1885, 35.8729,
39.0430

198.4499,
226.8690, 246.9652

 19.3685, 24.3361,
26.4851

241.3746,
274.5152, 298.8362

 12.0424, 15.5831,
16.9579

290.0814,
328.4048, 357.5047

 6.8450, 9.2296,
10.0428

344.9358,

 3.4108, 4.8913,

388.9223, 423.3893

5.3214

406.3030,
456.4520, 496.9085

■ 1.3745, 2.1836,
2.3750

■ 0.2380, 0.7110,
0.7728

■ 77.2660, 91.0308,
99.0863

■ 77.2660, 91.0308,
99.0863

■ 69.9571, 87.3598,
94.3666

■ 85.7490, 95.3040,
103.9992

■ 63.7639, 84.2611,
89.8318

95.0500, 100.0000,
108.9000

■ 58.6270, 81.7039,
85.4793

■ 54.4803, 79.6543,
81.3050

■ 51.2501, 78.0743,
77.3040

■ 48.8523, 76.9205,
73.4712

■ 47.1866, 76.1413,
69.8007

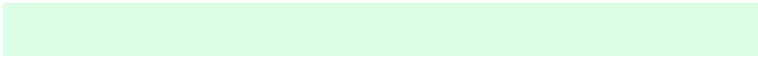
■ 46.0961, 75.6559,
66.2837

■ 46.0579, 75.6392,
66.1483

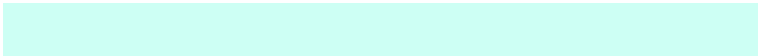
Harmonies

Analogous

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



78.4708, 91.0308, 85.9623



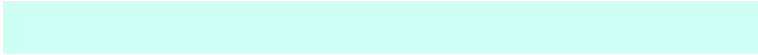
77.2660, 91.0308, 99.0863



78.4607, 91.0308, 113.4914

Triad

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



77.2660, 91.0308, 99.0863



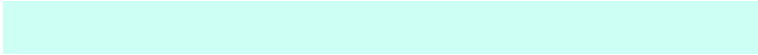
91.4055, 91.0308, 124.9237



91.4248, 91.0308, 77.1603

Complementary

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



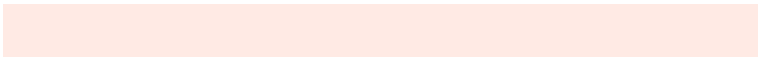
77.2660, 91.0308, 99.0863



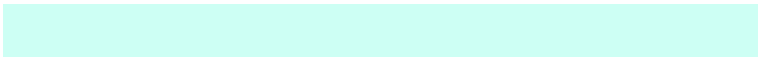
75.4667, 69.8817, 74.4772

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.



95.1174, 91.0308, 86.0108



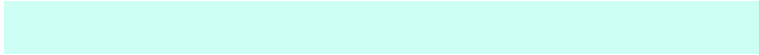
77.2660, 91.0308, 99.0863



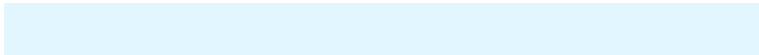
95.1060, 91.0308, 113.5498

Square

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



77.2660, 91.0308, 99.0863



86.5113, 91.0308, 129.2560



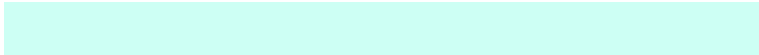
96.4893, 91.0308, 99.1478



86.5328, 91.0308, 74.0701

Rectangle

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



77.2660, 91.0308, 99.0863



80.4845, 91.0308, 121.7010



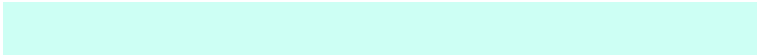
96.4893, 91.0308, 99.1478



92.8542, 91.0308, 79.5156

Sweetspot

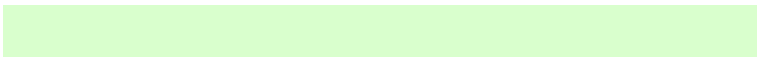
The Sweet Spot groups the original color and five complimentary colors.



77.2669, 91.0313, 99.0878



89.1062, 96.9979, 105.8181



75.2966, 90.6289, 71.2838



18.9397, 20.6946, 22.5785



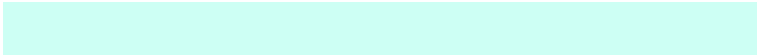
0.0000, 0.0000, 0.0000



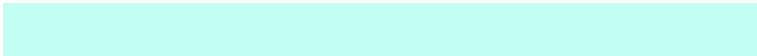
20.3446, 21.4041, 23.3091

Same Dimension

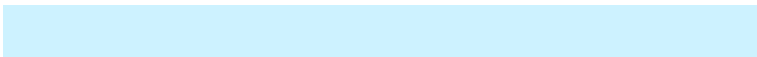
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.2669, 91.0313, 99.0878



73.9145, 89.3459, 96.9905



74.8807, 83.5059, 106.7794



18.3737, 20.4090, 22.2711



24.1246, 39.5464, 34.8709



2.3892, 3.8666, 3.6072

Inverse Universe

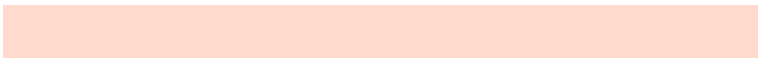
The Inverse Universe completely reimagines the original color for something new.



75.4667, 69.8817, 74.4772



71.7819, 64.2724, 67.8224



77.4182, 75.9847, 68.3453



18.1729, 18.0525, 19.5278



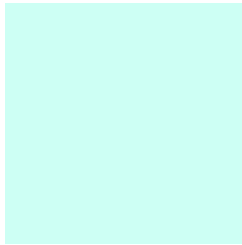
21.9680, 11.2765, 3.2158



2.1776, 1.1134, 0.5164

Previews

White Background



This preview shows how the XYZ color 77.2660, 91.0308, 99.0863 looks on a white background.

Color Contrast Check

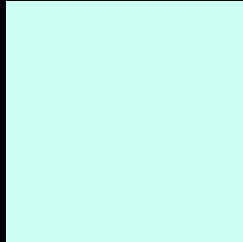
Large Text (above 18pt) WCAG AA × Fail

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 77.2660, 91.0308, 99.0863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

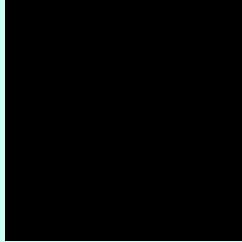
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

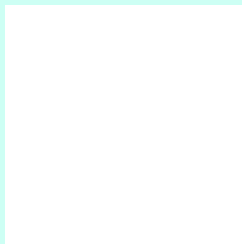
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.2660, 91.0308, 99.0863

Background



This preview shows how black text looks on a background with the XYZ color 77.2660, 91.0308, 99.0863.



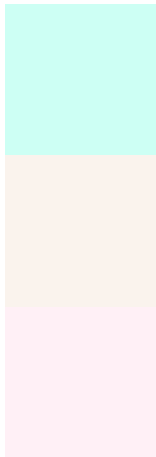
This preview shows how white text looks on a background with the XYZ color 77.2660, 91.0308,

99.0863.

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

77.2660, 91.0308, 99.0863

Protanopia

86.7610, 90.5396, 93.0239

Deuteranopia

89.0346, 90.2340, 99.9131



Tritanopia

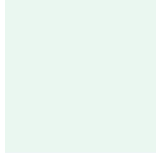
84.5895, 90.8973, 107.6943

Trichromacy



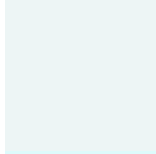
Original Color

77.2660, 91.0308, 99.0863



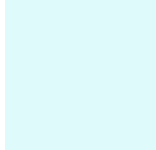
Protanomaly

82.9206, 90.3052, 95.4983



Deuteranomaly

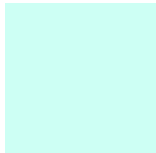
84.0589, 89.9019, 99.3086



Tritanomaly

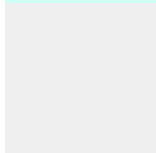
81.7224, 90.8658, 104.4984

Monochromacy



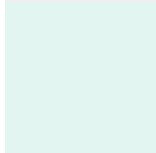
Original Color

77.2660, 91.0308, 99.0863



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

80.2081, 87.9866, 95.9748

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.2660, 91.0308, 99.0863 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(205, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(205, 255, 244)  
}
```

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(205, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 255, 244) }
```

Border

The CSS property to change the border of an element to XYZ 77.2660, 91.0308, 99.0863 is called "border". The border property can be set on classes, ids or directly on the HTML element.

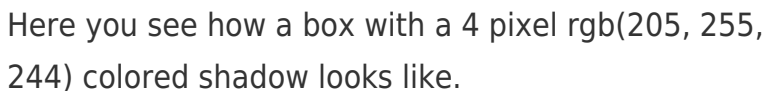
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 255, 244) }
```


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

```
.border{ border-color:rgb(205, 255, 244) }
```

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



Here you see how a box with a 4 pixel `rgb(205, 255, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(205, 255,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 77.2660, 91.0308, 99.0863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 255, 244) }
```

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

```
.background{ background-color: rgb(205,  
255, 244) }
```

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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