

Converting Colors

XYZ(82.7190, 100.0000,
94.8551)

Have a look what the booklet for
XYZ(82.7190, 100.0000, 94.8551)
contains.

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Color

**XYZ(78.7776, 91.9306,
93.7131)**

Conversions

Conversions Part 1

Format	Color
Hex	D6FFED
RGB	214, 255, 237
RGB Percent	84%, 100%, 93%
CMY	0.1608, 0.0000, 0.0706
CMYK	0.16, 0.00, 0.07, 0.00
HSL	154°, 100%, 92%
HSV	154°, 16%, 100%
XYZ	78.7776, 91.9306, 93.7131
YIQ	240.6890, -18.6580, -14.2900

Conversions

Conversions Part 2

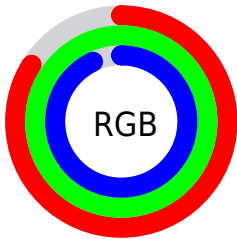
Format	Color
R_{YB}	214, 240, 255
Decimal	14090221
CIE Lab	96.79, -16.50, 4.23
CIE LCh	97, 17.036, 165.640
Yxy	91.9306, 0.2979, 0.3477
Android (android.graphics.Color)	4292280301 (0xFFD6FFED)
YUV	240.6890, -1.8187, -23.4063
Hunter-Lab	95.8804, -21.1310, 9.1665

Details

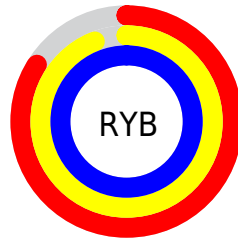
The XYZ color **78.7776, 91.9306, 93.7131** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.8525, 75.1803, 86.6465**, and the grayscale version is **83.3886, 87.7313, 95.5393**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.8326, 51.0953, 51.3209** is the 20% darker color. If you saturate the color by 10%, you get **70.3239, 87.7556, 85.0451**, and if you desaturate by 10%, it is **88.5000, 96.7477, 102.9764**.

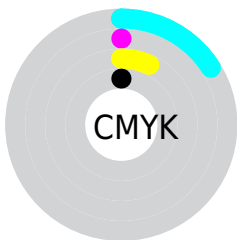
Distribution



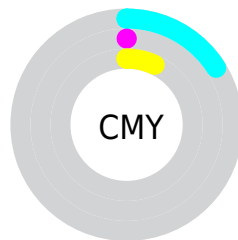
- Red (84%)
- Green (100%)
- Blue (93%)



- Red (84%)
- Yellow (94%)
- Blue (100%)



- Cyan (16%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.7776, 91.9306, 93.7131 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 78.7776, 91.9306, 93.7131 by changing the saturation by 10% instead.


 78.7776, 91.9306,
93.7131

 78.7776, 91.9306,
93.7131


479.6032,
534.2912, 560.9156

 59.0180, 69.5830,
70.4734


130.6053,
150.0172, 154.4657

 42.8740, 51.1866,
51.4334


163.4041,
186.5250, 192.8158

 29.9804, 36.3572,
36.1745


201.2799,
228.5216, 237.0396

 19.9717, 24.7102,
24.2782

244.5983,
276.3915, 287.5559

 12.4826, 15.8613,
15.3260

293.7244,
330.5190, 344.7831

 7.1478, 9.4260,
8.8994

349.0237,

 3.6018, 5.0201,

391.2885, 409.1397

4.5797

410.8615,
459.0844, 481.0444

■ 1.4794, 2.2591,
1.9484

■ 0.3118, 0.7519,
0.5233

■ 78.7776, 91.9306,
93.7131

■ 78.7776, 91.9306,
93.7131

■ 70.3239, 87.7556,
85.0451

■ 88.5000, 96.7477,
102.9764

■ 63.0807, 84.1931,
76.9557

95.0500, 100.0000,
108.9000

■ 56.9884, 81.2127,
69.4337

■ 51.9816, 78.7806,
62.4658

■ 47.9876, 76.8597,
56.0381

■ 44.9247, 75.4082,
50.1359

■ 42.6971, 74.3769,
44.7434

■ 41.1867, 73.7052,
39.8434

■ 40.7221, 73.5048,
38.0501

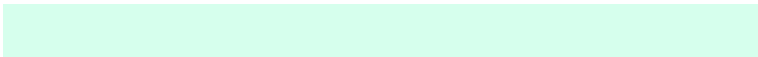
Harmonies

Analogous

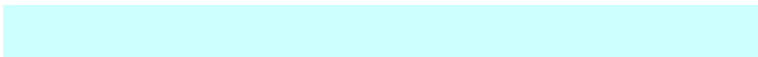
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.9733, 91.9306, 82.8079



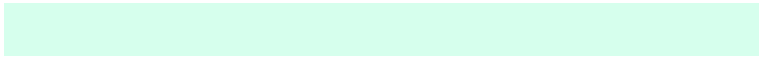
78.7776, 91.9306, 93.7131



78.8271, 91.9306, 107.3573

Triad

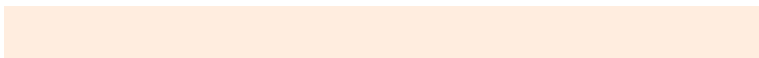
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.7776, 91.9306, 93.7131



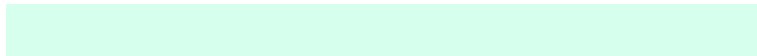
89.8770, 91.9306, 127.6260



93.9580, 91.9306, 82.4425

Complementary

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



78.7776, 91.9306, 93.7131



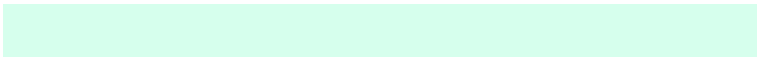
79.8525, 75.1803, 86.6465

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.



96.5243, 91.9306, 93.1712



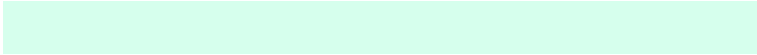
78.7776, 91.9306, 93.7131



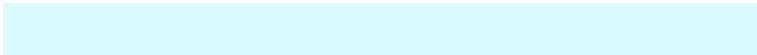
94.1103, 91.9306, 119.6387

Square

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



78.7776, 91.9306, 93.7131



85.1189, 91.9306, 127.8048



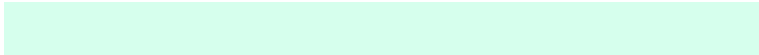
96.5811, 91.9306, 106.7640



89.6753, 91.9306, 76.7142

Rectangle

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



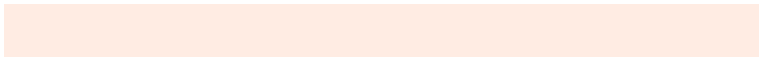
78.7776, 91.9306, 93.7131



80.1230, 91.9306, 116.2207



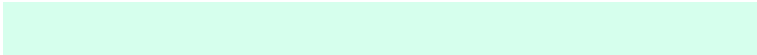
96.5811, 91.9306, 106.7640



95.0568, 91.9306, 85.5377

Sweetspot

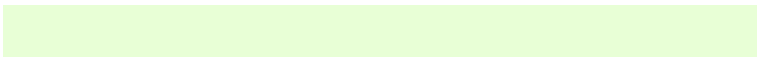
The Sweet Spot groups the original color and five complimentary colors.



78.7784, 91.9310, 93.7146



89.6256, 97.3062, 104.0105



81.3231, 93.6065, 77.4012



19.0261, 20.7494, 22.1180



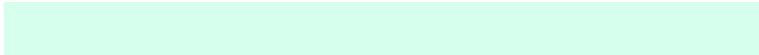
0.0000, 0.0000, 0.0000



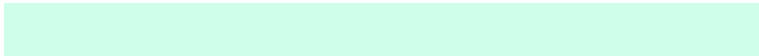
20.3446, 21.4041, 23.3091

Same Dimension

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



78.7784, 91.9310, 93.7146



76.1792, 90.6457, 91.1204



80.8916, 91.7355, 108.0510



18.1983, 20.3389, 21.3474



21.3546, 38.4384, 20.2843



2.1342, 3.7646, 2.2644

Inverse Universe

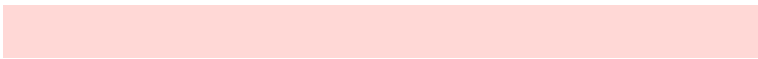
The Inverse Universe completely reimagines the original color for something new.



79.8525, 75.1803, 86.6465



77.4225, 71.2593, 82.9413



77.9470, 75.2534, 74.0367



18.3406, 18.1196, 20.4108



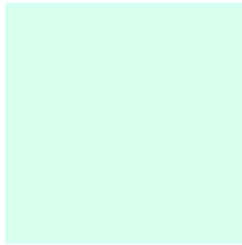
23.1474, 11.7483, 9.4266



2.3076, 1.1654, 1.2011

Previews

White Background



This preview shows how the XYZ color 78.7776, 91.9306, 93.7131 looks on a white background.

Color Contrast Check

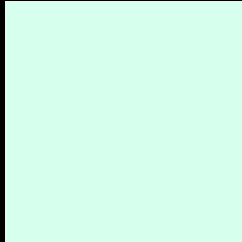
Large Text (above 18pt) WCAG AA × Fail

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 78.7776, 91.9306, 93.7131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

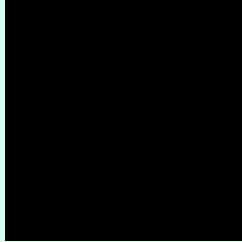
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

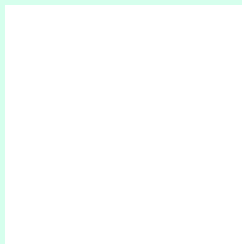
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.7776, 91.9306, 93.7131

Background



This preview shows how black text looks on a background with the XYZ color 78.7776, 91.9306, 93.7131.



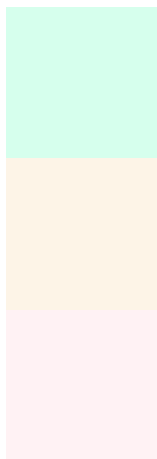
This preview shows how white text looks on a background with the XYZ color 78.7776, 91.9306,

93.7131.

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

78.7776, 91.9306, 93.7131

Protanopia

87.2825, 91.3535, 88.6340

Deuteranopia

89.3213, 91.2959, 98.5021



Tritanopia

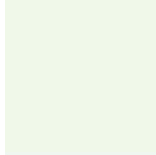
85.9028, 91.5744, 107.7558

Trichromacy



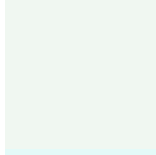
Original Color

78.7776, 91.9306, 93.7131



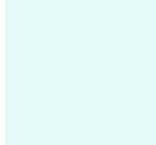
Protanomaly

83.8720, 91.3687, 90.3062



Deuteranomaly

85.0731, 91.3977, 96.3768



Tritanomaly

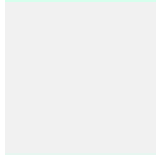
83.1238, 91.6425, 102.1146

Monochromacy



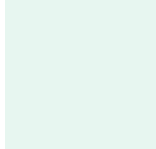
Original Color

78.7776, 91.9306, 93.7131



Achromatopsia

83.6081, 87.9622, 95.7909



Achromatomaly

81.6389, 89.1917, 95.3510

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.7776, 91.9306, 93.7131 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(214, 255, 237) looks like.

```
.text, #text, p{  
    color:rgb(214, 255, 237)  
}
```

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(214, 255, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 255, 237) }
```

Border

The CSS property to change the border of an element to XYZ 78.7776, 91.9306, 93.7131 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(214, 255, 237) }
```


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

```
.border{ border-color:rgb(214, 255, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 255, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 255, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 255, 237);  
box-shadow:4px 4px 4px 4px rgb(214, 255,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 78.7776, 91.9306, 93.7131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 255, 237) }
```

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

```
.background{ background-color: rgb(214,  
255, 237) }
```

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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