

Converting Colors

XYZ(75.8987, 90.5465, 89.0600)

Have a look what the booklet for
XYZ(75.8987, 90.5465, 89.0600)
contains.

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Color

**XYZ(75.9159, 90.5549,
89.0790)**

Conversions

Conversions Part 1

Format	Color
Hex	CFFFE7
RGB	207, 255, 231
RGB Percent	81%, 100%, 91%
CMY	0.1882, 0.0000, 0.0941
CMYK	0.19, 0.00, 0.09, 0.00
HSL	150°, 100%, 91%
HSV	150°, 19%, 100%
XYZ	75.9159, 90.5549, 89.0790
YIQ	237.9120, -20.9040, -17.6400

Conversions

Conversions Part 2

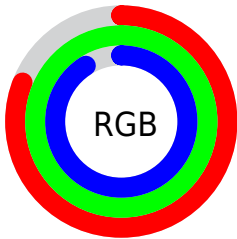
Format	Color
R_{YB}	207, 239, 255
Decimal	13631463
CIE _{Lab}	96.23, -19.82, 6.44
CIE _{LCh}	96, 20.843, 162.005
Y _{xy}	90.5549, 0.2971, 0.3544
Android (android.graphics.Color)	4291821543 (0xFFCFFFE7)
YUV	237.9120, -3.4076, -27.1098
Hunter-Lab	95.1603, -24.1290, 11.1112

Details

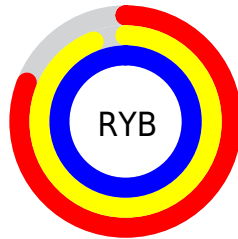
The XYZ color **75.9159, 90.5549, 89.0790** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.9771, 71.6561, 85.3224**, and the grayscale version is **81.2367, 85.4673, 93.0739**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.8808, 50.1587, 48.0844** is the 20% darker color. If you saturate the color by 10%, you get **67.6219, 86.4797, 79.6313**, and if you desaturate by 10%, it is **85.4933, 95.2765, 99.2744**.

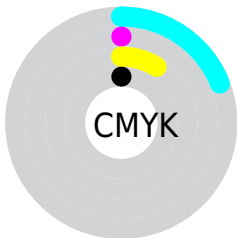
Distribution



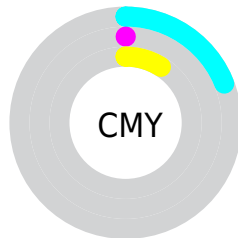
- Red (81%)
- Green (100%)
- Blue (91%)



- Red (81%)
- Yellow (94%)
- Blue (100%)



- Cyan (19%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (19%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.9159, 90.5549, 89.0790 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 75.9159, 90.5549, 89.0790 by changing the saturation by 10% instead.

 75.9159, 90.5549,
89.0790

 75.9159, 90.5549,
89.0790


470.0086,
529.8343, 545.5229

 56.6604, 68.4410,
66.6476


126.5890,
148.1089, 147.9827

 40.9717, 50.2566,
48.3385


158.7373,
184.3178, 185.2922

 28.4845, 35.6173,
33.7331


195.9139,
225.9938, 228.3981

 18.8335, 24.1388,
22.4130

238.4841,
273.5213, 277.7189

 11.6534, 15.4366,
13.9594

286.8133,
327.2847, 333.6733

 6.5786, 9.1264,
7.9540

341.2669,

 3.2440, 4.8237,

387.6684, 396.6797

3.9782

402.2102,
455.0568, 467.1567

■ 1.2841, 2.1442,
1.6134

■ 0.1712, 0.6893,
0.3003

■ 75.9159, 90.5549,
89.0790

■ 75.9159, 90.5549,
89.0790

■ 67.6219, 86.4797,
79.6313

■ 85.4933, 95.2765,
99.2744

■ 60.5509, 83.0202,
70.9097

95.0500, 100.0000,
108.9000

■ 54.6413, 80.1449,
62.8977

■ 49.8246, 77.8188,
55.5768

■ 46.0250, 76.0033,
48.9272

■ 43.1563, 74.6543,
42.9281

■ 41.1169, 73.7197,
37.5574

■ 39.7605, 73.1245,
32.7900

■ 39.6238, 73.0655,
32.2665

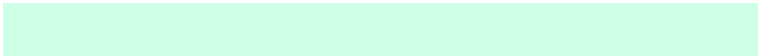
Harmonies

Analogous

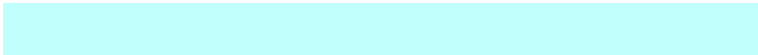
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.8371, 90.5549, 76.7662



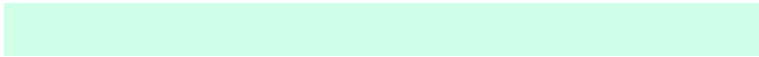
75.9159, 90.5549, 89.0790



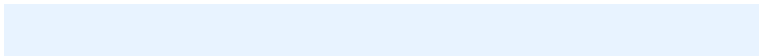
75.6395, 90.5549, 105.3758

Triad

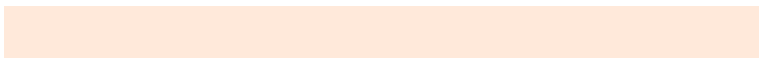
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.9159, 90.5549, 89.0790



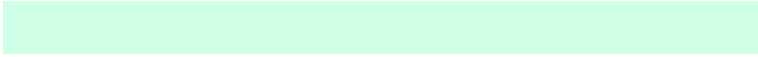
88.4046, 90.5549, 133.1647



94.6047, 90.5549, 78.7763

Complementary

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



75.9159, 90.5549, 89.0790



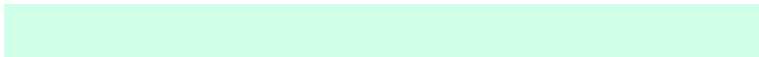
77.9771, 71.6561, 85.3224

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.



97.4173, 90.5549, 92.1189



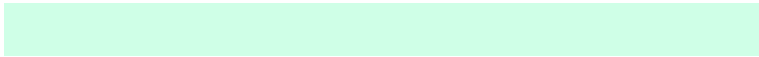
75.9159, 90.5549, 89.0790



93.7317, 90.5549, 124.2221

Square

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



75.9159, 90.5549, 89.0790



82.6781, 90.5549, 132.1144



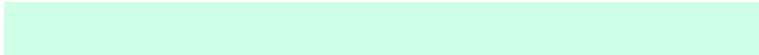
97.0908, 90.5549, 108.7740



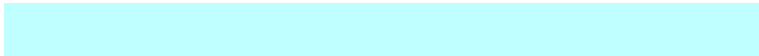
89.5529, 90.5549, 71.2929

Rectangle

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



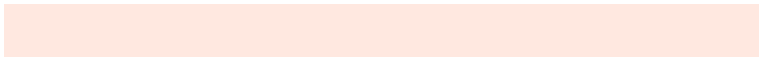
75.9159, 90.5549, 89.0790



76.9755, 90.5549, 116.4686



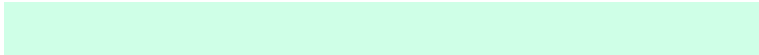
97.0908, 90.5549, 108.7740



95.8534, 90.5549, 82.6574

Sweetspot

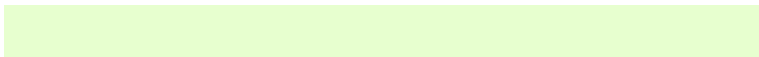
The Sweet Spot groups the original color and five complimentary colors.



75.9167, 90.5553, 89.0805



88.4360, 96.7299, 102.2891



79.9780, 93.0142, 72.7709



18.7812, 20.6312, 21.7436



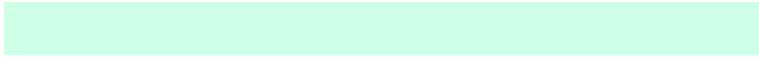
0.0000, 0.0000, 0.0000



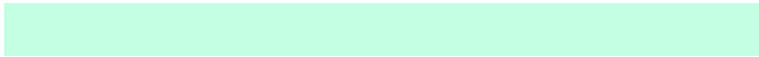
20.3446, 21.4041, 23.3091

Same Dimension

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



75.9167, 90.5553, 89.0805



72.2992, 88.7760, 85.0437



79.5426, 92.0057, 108.1743



18.1504, 20.3197, 21.0949



20.7797, 38.2085, 17.2568



2.0784, 3.7423, 1.9705

Inverse Universe

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



77.9771, 71.6561, 85.3224



74.7417, 66.3710, 80.5886



74.8160, 70.3916, 68.6764



18.3882, 18.1386, 20.6612



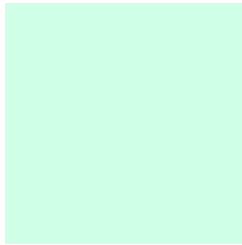
23.6427, 11.9464, 12.0348



2.3571, 1.1852, 1.4620

Previews

White Background



This preview shows how the XYZ color 75.9159, 90.5549, 89.0790 looks on a white background.

Color Contrast Check

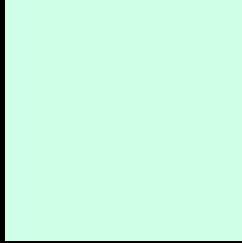
Large Text (above 18pt) WCAG AA × Fail

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 75.9159, 90.5549, 89.0790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

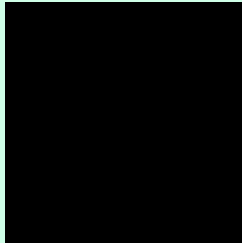
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

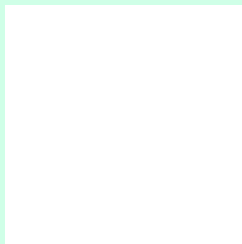
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.9159, 90.5549, 89.0790

Background



This preview shows how black text looks on a background with the XYZ color 75.9159, 90.5549, 89.0790.



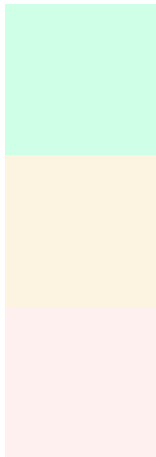
This preview shows how white text looks on a background with the XYZ color 75.9159, 90.5549,

89.0790.

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

75.9159, 90.5549, 89.0790

Protanopia

85.6500, 90.1784, 83.4130

Deuteranopia

88.1283, 89.8714, 95.1401



Tritanopia

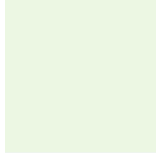
83.9608, 90.1205, 107.5775

Trichromacy



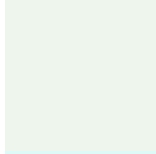
Original Color

75.9159, 90.5549, 89.0790



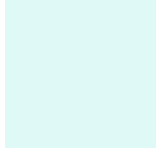
Protanomaly

81.7180, 89.9004, 85.7186



Deuteranomaly

83.1984, 89.5964, 93.0296



Tritanomaly

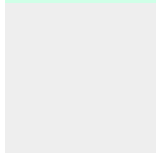
80.6344, 89.9348, 100.2980

Monochromacy



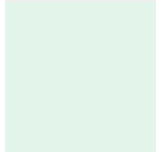
Original Color

75.9159, 90.5549, 89.0790



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

79.0246, 87.0304, 91.2308

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.9159, 90.5549, 89.0790 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(207, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(207, 255, 231)  
}
```

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(207, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 255, 231) }
```

Border

The CSS property to change the border of an element to XYZ 75.9159, 90.5549, 89.0790 is called "border". The border property can be set on classes, ids or directly on the HTML element.

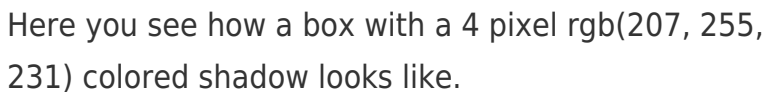
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(207, 255, 231) }
```


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

```
.border{ border-color:rgb(207, 255, 231) }
```

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



Here you see how a box with a 4 pixel `rgb(207, 255, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(207, 255, 231); -webkit-box-shadow:4px 4px 4px 4px rgb(207, 255, 231); box-shadow:4px 4px 4px 4px rgb(207, 255, 231) }
```

Background

The CSS property to change the background color of an element to XYZ 75.9159, 90.5549, 89.0790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 255, 231) }
```

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

```
.background{ background-color: rgb(207,  
255, 231) }
```

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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