

Converting Colors

XYZ(75.3826, 90.3271, 86.9234)

Have a look what the booklet for
XYZ(75.3826, 90.3271, 86.9234)
contains.

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Color

**XYZ(75.4957, 90.3868,
86.8661)**

Conversions

Conversions Part 1

Format	Color
Hex	CFFFE4
RGB	207, 255, 228
RGB Percent	81%, 100%, 89%
CMY	0.1882, 0.0000, 0.1059
CMYK	0.19, 0.00, 0.11, 0.00
HSL	146°, 100%, 91%
HSV	146°, 19%, 100%
XYZ	75.4957, 90.3868, 86.8661
YIQ	237.5700, -19.9410, -18.5730

Conversions

Conversions Part 2

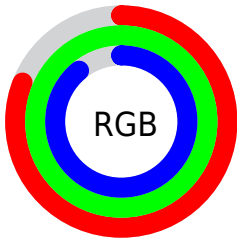
Format	Color
R_{YB}	207, 240, 255
Decimal	13631460
CIE _{Lab}	96.16, -20.38, 7.88
CIE _{LCh}	96, 21.852, 158.859
Yxy	90.3868, 0.2987, 0.3576
Android (android.graphics.Color)	4291821540 (0xFFCFFFE4)
YUV	237.5700, -4.7180, -26.8099
Hunter-Lab	95.0720, -24.6309, 12.3778

Details

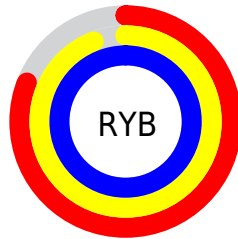
The XYZ color **75.4957, 90.3868, 86.8661** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78.4046, 71.8271, 87.5736**, and the grayscale version is **80.9816, 85.1990, 92.7817**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.6858, 50.0807, 47.0573** is the 20% darker color. If you saturate the color by 10%, you get **67.0280, 86.2422, 76.5036**, and if you desaturate by 10%, it is **85.2808, 95.1915, 98.1555**.

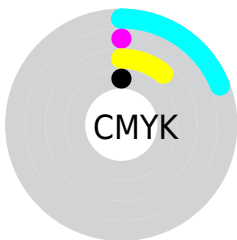
Distribution



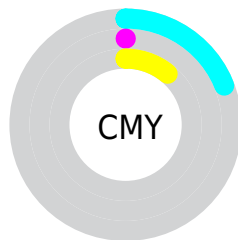
- Red (81%)
- Green (100%)
- Blue (89%)



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



- Cyan (19%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (19%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.4957, 90.3868, 86.8661 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 75.4957, 90.3868, 86.8661 by changing the saturation by 10% instead.


 75.4957, 90.3868,
86.8661

 75.4957, 90.3868,
86.8661


468.5906,
529.2883, 538.0876

 56.3147, 68.3015,
64.8254

125.9980,
147.8756, 144.8747

 40.6933, 50.1431,
46.8691


158.0499,
184.0478, 181.6797

 28.2661, 35.5271,
32.5786

195.1229,
225.6845, 224.2432

 18.6678, 24.0692,
21.5353

237.5823,
273.1700, 272.9838

 11.5331, 15.3849,
13.3208

285.7933,
326.8888, 328.3200

 6.4965, 9.0900,
7.5165

340.1215,

 3.1928, 4.7999,

387.2251, 390.6703

3.7039

400.9322,
454.5635, 460.4533

■ 1.2565, 2.1304,
1.4643

■ 0.1503, 0.6816,
0.1911

■ 75.4957, 90.3868,
86.8661

■ 75.4957, 90.3868,
86.8661

■ 67.0280, 86.2422,
76.5036

■ 85.2808, 95.1915,
98.1555

■ 59.8161, 82.7263,
67.0401

95.0500, 100.0000,
108.9000

■ 53.7971, 79.8072,
58.4523

■ 48.9012, 77.4495,
50.7146

■ 45.0513, 75.6138,
43.7998

■ 42.1596, 74.2556,
37.6791

■ 40.1226, 73.3220,
32.3217

■ 38.7926, 72.7374,
27.6934

■ 38.6606, 72.6802,
27.1941

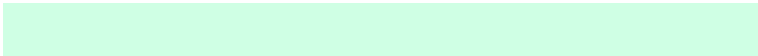
Harmonies

Analogous

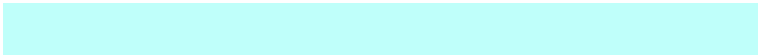
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.8060, 90.3868, 74.6541



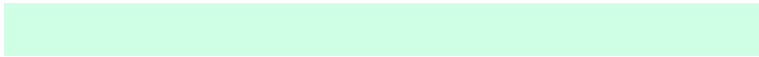
75.4957, 90.3868, 86.8661



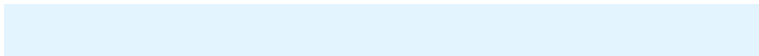
74.9054, 90.3868, 103.6440

Triad

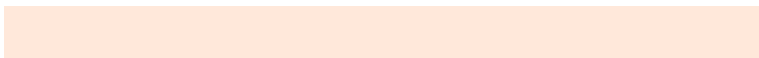
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.4957, 90.3868, 86.8661



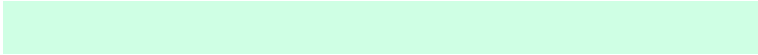
87.7166, 90.3868, 135.2006



95.3048, 90.3868, 78.9318

Complementary

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



75.4957, 90.3868, 86.8661



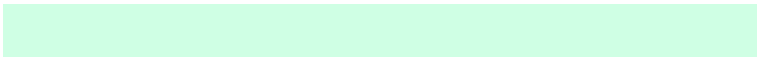
78.4046, 71.8271, 87.5736

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.



97.9428, 90.3868, 93.3665



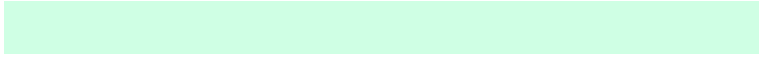
75.4957, 90.3868, 86.8661



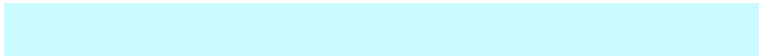
93.4285, 90.3868, 126.7501

Square

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



75.4957, 90.3868, 86.8661



81.7763, 90.3868, 132.9302



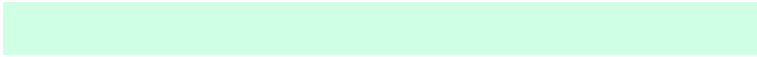
97.2404, 90.3868, 110.9465



90.1806, 90.3868, 70.4614

Rectangle

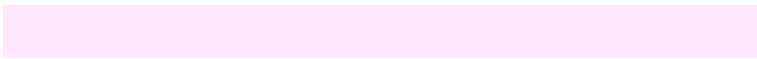
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



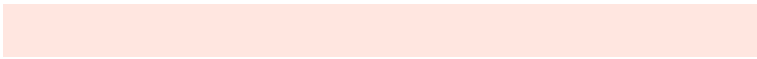
75.4957, 90.3868, 86.8661



76.1053, 90.3868, 115.4138



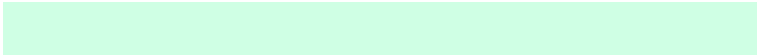
97.2404, 90.3868, 110.9465



96.5224, 90.3868, 83.1746

Sweetspot

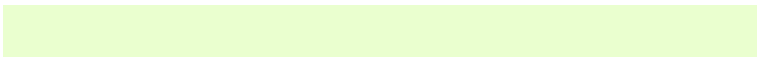
The Sweet Spot groups the original color and five complimentary colors.



75.4965, 90.3872, 86.8675



88.2885, 96.6708, 101.5122



81.0204, 93.5515, 72.8197



18.7463, 20.6172, 21.5601



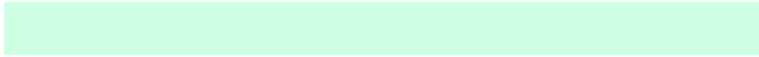
0.0000, 0.0000, 0.0000



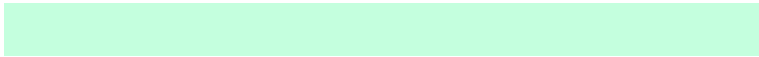
20.3446, 21.4041, 23.3091

Same Dimension

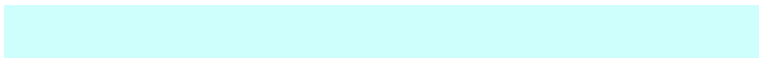
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.4965, 90.3872, 86.8675



71.8023, 88.5772, 82.4273



79.0317, 91.8013, 105.4835



18.1016, 20.3002, 20.8382



20.2729, 38.0058, 14.5883



2.0276, 3.7220, 1.7034

Inverse Universe

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



78.4046, 71.8271, 87.5736



75.2493, 66.5741, 83.2616



75.2113, 70.5498, 70.7581



18.4373, 18.1582, 20.9201



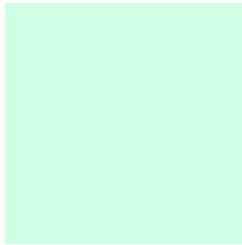
24.2330, 12.1825, 15.1433



2.4144, 1.2081, 1.7637

Previews

White Background



This preview shows how the XYZ color 75.4957, 90.3868, 86.8661 looks on a white background.

Color Contrast Check

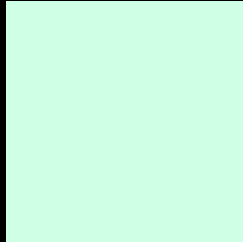
Large Text (above 18pt) WCAG AA × Fail

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 75.4957, 90.3868, 86.8661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

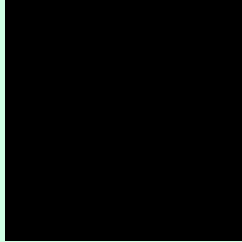
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

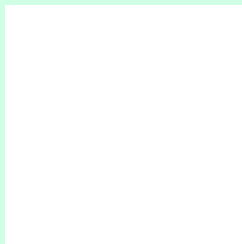
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.4957, 90.3868, 86.8661

Background



This preview shows how black text looks on a background with the XYZ color 75.4957, 90.3868, 86.8661.



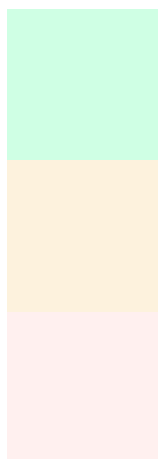
This preview shows how white text looks on a background with the XYZ color 75.4957, 90.3868,

86.8661.

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

75.4957, 90.3868, 86.8661

Protanopia

85.3113, 89.6074, 81.2062

Deuteranopia

87.9801, 89.8122, 94.3598



Tritanopia

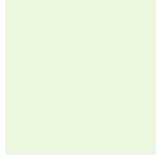
83.9608, 90.1205, 107.5775

Trichromacy



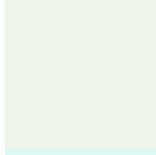
Original Color

75.4957, 90.3868, 86.8661



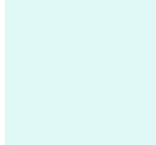
Protanomaly

81.3074, 89.7362, 83.5565



Deuteranomaly

82.9077, 89.4801, 91.4989



Tritanomaly

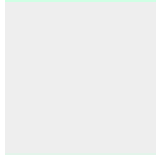
80.4813, 89.8735, 99.4917

Monochromacy



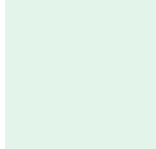
Original Color

75.4957, 90.3868, 86.8661



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

78.8805, 86.9728, 90.4719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.4957, 90.3868, 86.8661 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, 228)` looks like.

```
.text, #text, p{  
    color:rgb(207, 255, 228)  
}
```

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, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 255, 228) }
```

Border

The CSS property to change the border of an element to XYZ 75.4957, 90.3868, 86.8661 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, 228) }
```


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

```
.border{ border-color:rgb(207, 255, 228) }
```

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, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 255, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 255, 228);  
box-shadow:4px 4px 4px 4px rgb(207, 255,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 75.4957, 90.3868, 86.8661 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, 228) }
```

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

```
.background{ background-color: rgb(207,  
255, 228) }
```

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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