

Converting Colors

XYZ(59.9561, 82.7161, 70.7683)

Have a look what the booklet for
XYZ(59.9561, 82.7161, 70.7683)
contains.

XYZ(59.9163, 82.7001, 70.5624)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(59.9163, 82.7001,
70.5624)**

Conversions

Conversions Part 1

Format	Color
Hex	99FFCD
RGB	153, 255, 205
RGB Percent	60%, 100%, 80%
CMY	0.4000, 0.0000, 0.1961
CMYK	0.40, 0.00, 0.20, 0.00
HSL	151°, 100%, 80%
HSV	151°, 40%, 100%
XYZ	59.9163, 82.7001, 70.5624
YIQ	218.8020, -44.7420, -37.1740

Conversions

Conversions Part 2

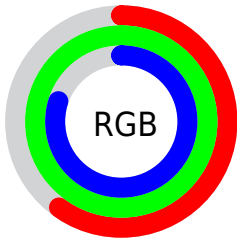
Format	Color
RYB	153, 221, 255
Decimal	10092493
CIELab	92.88, -40.60, 14.65
CIELCh	93, 43.168, 160.155
Yxy	82.7001, 0.2811, 0.3879
Android (android.graphics.Color)	4288282573 (0xFF99FFCD)
YUV	218.8020, -6.8044, -57.7084
Hunter-Lab	90.9396, -41.5381, 17.6531

Details

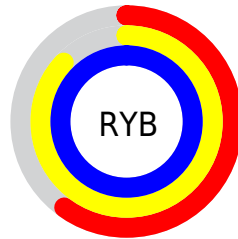
The XYZ color **59.9163, 82.7001, 70.5624** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **63.4111, 48.3550, 62.4914**, and the grayscale version is **67.2624, 70.7653, 77.0634**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **30.6039, 45.1093, 36.3721** is the 20% darker color. If you saturate the color by 10%, you get **54.1576, 79.8988, 62.7291**, and if you desaturate by 10%, it is **66.8254, 86.0804, 79.0815**.

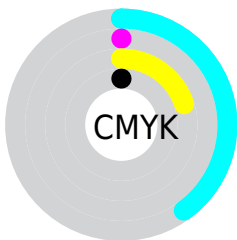
Distribution



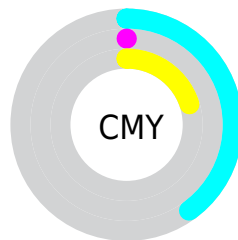
- Red (60%)
- Green (100%)
- Blue (80%)



- Red (60%)
- Yellow (87%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.9163, 82.7001, 70.5624 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 59.9163, 82.7001, 70.5624 by changing the saturation by 10% instead.


 59.9163, 82.7001,
70.5624


 59.9163, 82.7001,
70.5624


414.1289,
503.9865, 481.3646

 43.6004, 61.9428,
51.5055


 103.8153,
137.1553, 121.6991

 30.5530, 44.9865,
36.2316


 132.1290,
171.6221, 154.6159

 20.4089, 31.4468,
24.3220


165.1728,
211.4274, 192.9899

 12.8026, 20.9393,
15.3582

203.3119,
256.9556, 237.2394

 7.3688, 13.0796,
8.9218

246.9117,
308.5913, 287.7831

 3.7422, 7.4834,
4.5941


296.3376,


 1.5573, 3.7662,


366.7187, 345.0395


1.9566


351.9548,
431.7223, 409.4272


 0.3644, 1.5437,
0.5284


 0.0000, 0.3192,
0.0000


 59.9163, 82.7001,
70.5624


 59.9163, 82.7001,
70.5624


 54.1576, 79.8988,
62.7291


 66.8254, 86.0804,
79.0815

 49.4782, 77.6403,
55.5597

 74.9456, 90.0710,
88.2995

 45.8022, 75.8858,
49.0368

 84.3361, 94.7018,
98.2341

 43.0420, 74.5905,
43.1406

95.0500, 100.0000,
108.9000

■ 41.0938, 73.7013,
37.8497

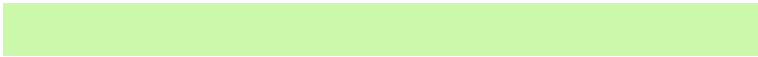
■ 39.7895, 73.1318,
33.1391

■ 39.7894, 73.1318,
33.1387

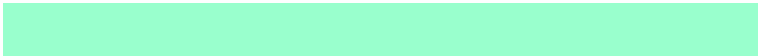
Harmonies

Analogous

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



65.4302, 82.7001, 50.4248



59.9163, 82.7001, 70.5624



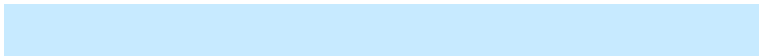
59.1286, 82.7001, 101.4491

Triad

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



59.9163, 82.7001, 70.5624



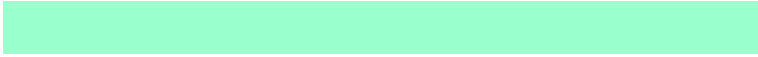
82.4907, 82.7001, 166.0755



96.3742, 82.7001, 55.6349

Complementary

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



59.9163, 82.7001, 70.5624



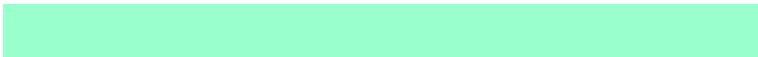
63.4111, 48.3550, 62.4914

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.



101.9454, 82.7001, 79.5317



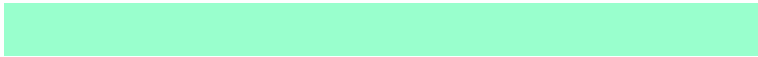
59.9163, 82.7001, 70.5624



93.4370, 82.7001, 146.3560

Square

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



59.9163, 82.7001, 70.5624



71.4684, 82.7001, 162.0249



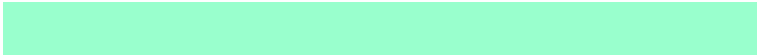
100.8219, 82.7001, 112.8225



86.1993, 82.7001, 43.3437

Rectangle

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



59.9163, 82.7001, 70.5624



61.3015, 82.7001, 124.9947



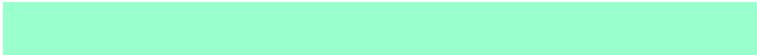
100.8219, 82.7001, 112.8225



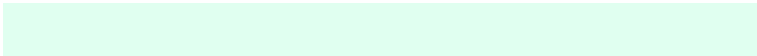
98.8896, 82.7001, 62.3072

Sweetspot

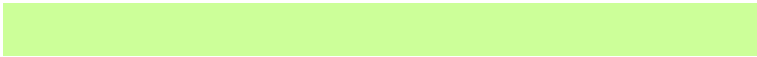
The Sweet Spot groups the original color and five complimentary colors.



59.9170, 82.7004, 70.5638



82.3528, 93.7226, 96.1881



66.4121, 86.6575, 43.3643



17.3558, 19.9267, 20.3057



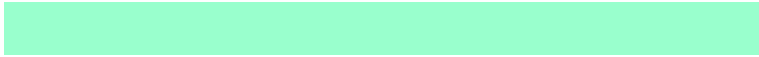
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



59.9170, 82.7004, 70.5638



55.2203, 80.4142, 64.2415



66.9473, 85.5125, 107.5848



18.1581, 20.3228, 21.1353



20.8665, 38.2432, 17.7142



2.0869, 3.7457, 2.0154

Inverse Universe

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



63.4111, 48.3550, 62.4914



59.1538, 41.7581, 55.1601



58.3816, 46.3432, 36.0061



18.3805, 18.1355, 20.6209



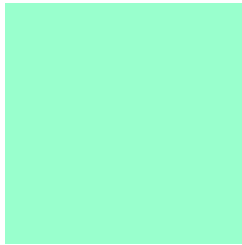
23.5579, 11.9124, 11.5882



2.3488, 1.1819, 1.4180

Previews

White Background



This preview shows how the XYZ color 59.9163, 82.7001, 70.5624 looks on a white background.

Color Contrast Check

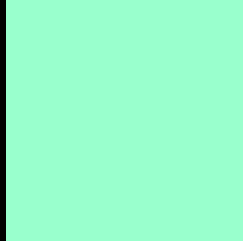
Large Text (above 18pt) WCAG AA × Fail

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 59.9163, 82.7001, 70.5624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

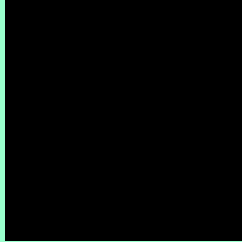
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

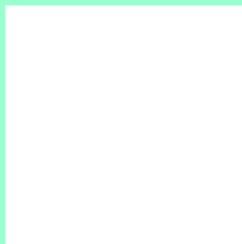
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.9163, 82.7001, 70.5624

Background



This preview shows how black text looks on a background with the XYZ color 59.9163, 82.7001, 70.5624.

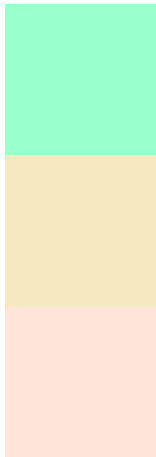


This preview shows how white text looks on a background with the XYZ color 59.9163, 82.7001,

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

59.9163, 82.7001, 70.5624

Protanopia

76.8826, 81.7657, 62.7691

Deuteranopia

81.6383, 81.8088, 77.8175



Tritanopia

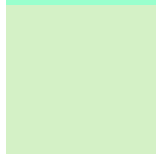
72.3078, 82.3264, 106.6873

Trichromacy



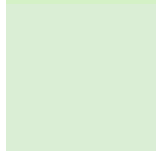
Original Color

59.9163, 82.7001, 70.5624



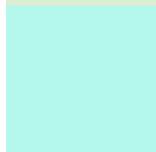
Protanomaly

68.7997, 80.9849, 65.4316



Deuteranomaly

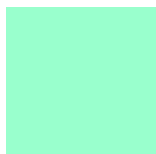
71.4982, 80.8586, 74.7897



Tritanomaly

67.3692, 82.3393, 92.4631

Monochromacy



Original Color

59.9163, 82.7001, 70.5624



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

63.4999, 74.1704, 74.5878

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.9163, 82.7001, 70.5624 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(153, 255, 205)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 205)  
}
```

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(153, 255, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 205) }
```

Border

The CSS property to change the border of an element to XYZ 59.9163, 82.7001, 70.5624 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(153, 255, 205) }
```


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

```
.border{ border-color:rgb(153, 255, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 255, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 205);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 59.9163, 82.7001, 70.5624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 205) }
```

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

```
.background{ background-color: rgb(153,  
255, 205) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor