

Converting Colors

XYZ(62.0057, 83.7869, 70.2231)

Have a look what the booklet for
XYZ(62.0057, 83.7869, 70.2231)
contains.

XYZ(61.9689, 83.7721, 70.0303)	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(61.9689, 83.7721,
70.0303)**

Conversions

Conversions Part 1

Format	Color
Hex	A4FFCC
RGB	164, 255, 204
RGB Percent	64%, 100%, 80%
CMY	0.3569, 0.0000, 0.2000
CMYK	0.36, 0.00, 0.20, 0.00
HSL	146°, 100%, 82%
HSV	146°, 36%, 100%
XYZ	61.9689, 83.7721, 70.0303
YIQ	221.9770, -37.8650, -35.1530

Conversions

Conversions Part 2

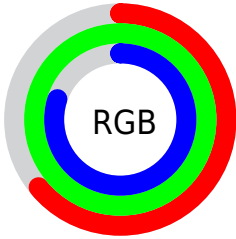
Format	Color
RYB	164, 227, 255
Decimal	10813388
CIELab	93.35, -37.78, 15.90
CIELCh	93, 40.992, 157.180
Yxy	83.7721, 0.2872, 0.3882
Android (android.graphics.Color)	4289003468 (0xFFA4FFCC)
YUV	221.9770, -8.8627, -50.8458
Hunter-Lab	91.5271, -39.3181, 18.7043

Details

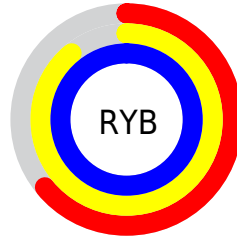
The XYZ color **61.9689, 83.7721, 70.0303** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **66.7816, 52.7180, 70.9458**, and the grayscale version is **69.4945, 73.1136, 79.6207**.

A 20% lighter version of the original color is **83.6288, 94.1122, 108.3655**, and **31.8834, 45.7783, 36.0098** is the 20% darker color. If you saturate the color by 10%, you get **55.5872, 80.6713, 61.1913**, and if you desaturate by 10%, it is **69.5643, 87.4805, 79.7499**.

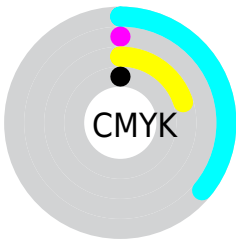
Distribution



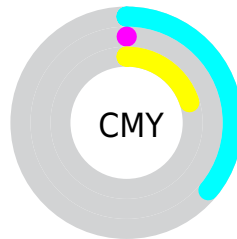
- Red (64%)
- Green (100%)
- Blue (80%)



- Red (64%)
- Yellow (89%)
- Blue (100%)



- Cyan (36%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (36%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.9689, 83.7721, 70.0303 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 61.9689, 83.7721, 70.0303 by changing the saturation by 10% instead.


 61.9689, 83.7721,
70.0303


 61.9689, 83.7721,
70.0303


421.5370,
507.5561, 479.4484

 45.2631, 62.8273,
51.0743

 106.7708,
138.6563, 120.9335

 31.8669, 45.7015,
35.8906


 135.5975,
173.3646, 153.7177

 21.4149, 32.0103,
24.0607


169.1953,
213.4294, 191.9485

 13.5418, 21.3694,
15.1660

207.9295,
259.2352, 236.0442

 7.8822, 13.3943,
8.7881

252.1654,
311.1663, 286.4236

 4.0708, 7.7006,
4.5083

302.2683,

 1.7423, 3.9040,

369.6073, 343.5050

1.9081

358.6038,
434.9424, 407.7071

■ 0.4825, 1.6200,
0.4979

■ 0.0000, 0.3710,
0.0000

■ 61.9689, 83.7721,
70.0303

■ 61.9689, 83.7721,
70.0303

■ 55.5872, 80.6713,
61.1913

■ 69.5643, 87.4805,
79.7499

■ 50.3495, 78.1425,
53.2035

■ 78.4336, 91.8268,
90.3701

■ 46.1820, 76.1483,
46.0421

■ 88.6351, 96.8410,
101.9152

■ 43.0005, 74.6457,
39.6791

95.0500, 100.0000,
108.9000

■ 40.7076, 73.5851,
34.0846

■ 39.1833, 72.9053,
29.2266

■ 38.6897, 72.6919,
27.3475

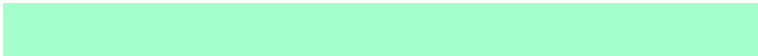
Harmonies

Analogous

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



67.7170, 83.7721, 51.5488



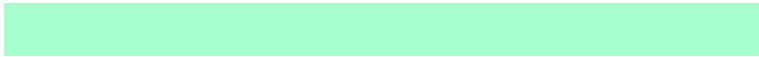
61.9689, 83.7721, 70.0303



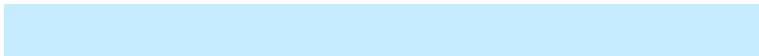
60.7392, 83.7721, 98.8536

Triad

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



61.9689, 83.7721, 70.0303



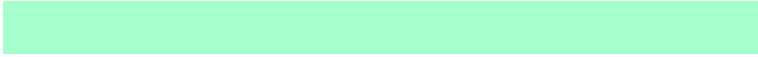
82.2477, 83.7721, 163.8907



97.3476, 83.7721, 59.7767

Complementary

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



61.9689, 83.7721, 70.0303



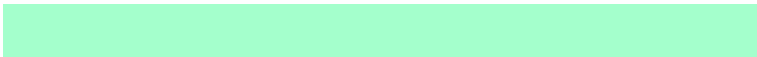
66.7816, 52.7180, 70.9458

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.



102.0634, 83.7721, 83.9777



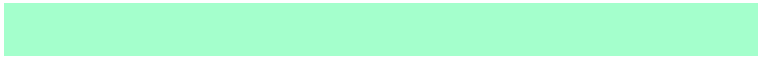
61.9689, 83.7721, 70.0303



92.8483, 83.7721, 147.3009

Square

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



61.9689, 83.7721, 70.0303



71.8347, 83.7721, 157.7754



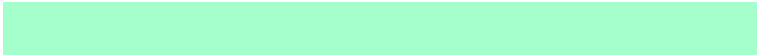
100.3466, 83.7721, 116.2883



87.9546, 83.7721, 46.6311

Rectangle

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



61.9689, 83.7721, 70.0303



62.5358, 83.7721, 121.1785



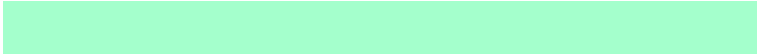
100.3466, 83.7721, 116.2883



99.5694, 83.7721, 66.6467

Sweetspot

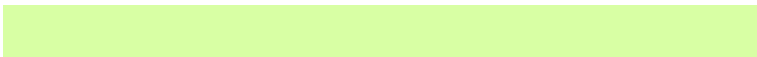
The Sweet Spot groups the original color and five complimentary colors.



61.9696, 83.7725, 70.0317



83.0442, 94.0913, 95.6629



70.6523, 88.7336, 48.5265



17.4828, 19.9959, 20.1435



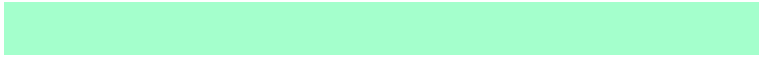
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



61.9696, 83.7725, 70.0317



57.1858, 81.4464, 63.4805



68.1588, 86.2481, 102.6233



18.1032, 20.3008, 20.8466



20.2883, 38.0119, 14.6692



2.0292, 3.7226, 1.7116

Inverse Universe

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



66.7816, 52.7180, 70.9458



62.6571, 46.1132, 64.5024



61.7780, 50.7166, 44.5975



18.4357, 18.1576, 20.9115



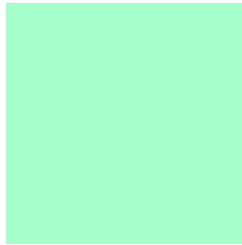
24.2122, 12.1742, 15.0339



2.4124, 1.2073, 1.7532

Previews

White Background



This preview shows how the XYZ color 61.9689, 83.7721, 70.0303 looks on a white background.

Color Contrast Check

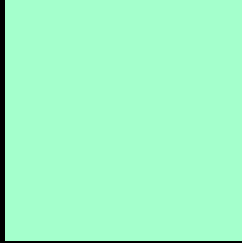
Large Text (above 18pt) WCAG AA × Fail

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 61.9689, 83.7721, 70.0303 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

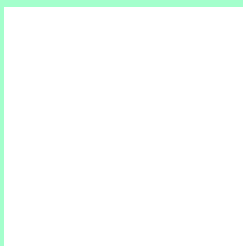
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 61.9689, 83.7721, 70.0303

Background



This preview shows how black text looks on a background with the XYZ color 61.9689, 83.7721, 70.0303.

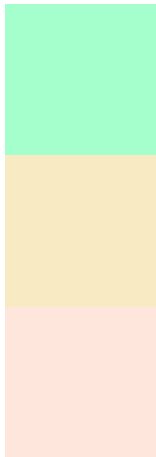


This preview shows how white text looks on a background with the XYZ color 61.9689, 83.7721,

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

61.9689, 83.7721, 70.0303

Protanopia

77.8718, 82.6971, 62.8968

Deuteranopia

82.4551, 83.0209, 79.3889



Tritanopia

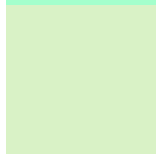
73.8895, 83.1418, 106.7613

Trichromacy



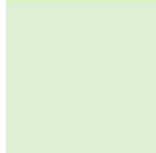
Original Color

61.9689, 83.7721, 70.0303



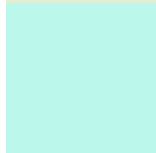
Protanomaly

70.5604, 82.3332, 65.5990



Deuteranomaly

73.1283, 82.1176, 75.6143



Tritanomaly

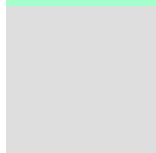
69.1401, 83.2690, 91.7853

Monochromacy



Original Color

61.9689, 83.7721, 70.0303



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

65.7760, 76.1694, 75.5254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.9689, 83.7721, 70.0303 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(164, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(164, 255, 204)  
}
```

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(164, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 255, 204) }
```

Border

The CSS property to change the border of an element to XYZ 61.9689, 83.7721, 70.0303 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(164, 255, 204) }
```


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

```
.border{ border-color:rgb(164, 255, 204) }
```

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

Here you see how a box with a 4 pixel rgb(164, 255, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(164, 255,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 61.9689, 83.7721, 70.0303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 255, 204) }
```

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

```
.background{ background-color: rgb(164,  
255, 204) }
```

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