

Converting Colors

XYZ(63.6000, 84.5710, 72.0033)

Have a look what the booklet for
XYZ(63.6000, 84.5710, 72.0033)
contains.

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Color

**XYZ(63.6000, 84.5710,
72.0033)**

Conversions

Conversions Part 1

Format	Color
Hex	AAFFCF
RGB	170, 255, 207
RGB Percent	67%, 100%, 81%
CMY	0.3333, 0.0000, 0.1882
CMYK	0.33, 0.00, 0.19, 0.00
HSL	146°, 100%, 83%
HSV	146°, 33%, 100%
XYZ	63.6000, 84.5710, 72.0033
YIQ	224.1130, -35.2520, -32.9480

Conversions

Conversions Part 2

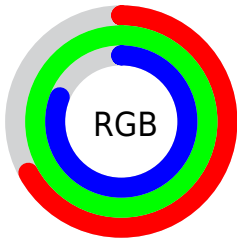
Format	Color
RYB	170, 229, 255
Decimal	11206607
CIELab	93.70, -35.51, 14.89
CIELCh	94, 38.501, 157.249
Yxy	84.5710, 0.2889, 0.3841
Android (android.graphics.Color)	4289396687 (0xFFAAFFCF)
YUV	224.1130, -8.4367, -47.4571
Hunter-Lab	91.9625, -37.4862, 17.9518

Details

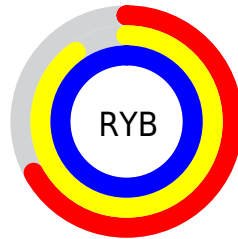
The XYZ color **63.6000, 84.5710, 72.0033** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **68.2699, 55.0721, 73.3612**, and the grayscale version is **71.0085, 74.7065, 81.3554**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **33.0141, 46.3329, 37.3401** is the 20% darker color. If you saturate the color by 10%, you get **56.9308, 81.3271, 62.9171**, and if you desaturate by 10%, it is **71.5004, 88.4310, 81.9881**.

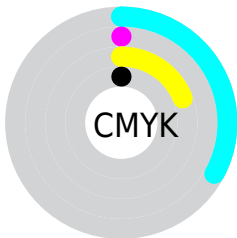
Distribution



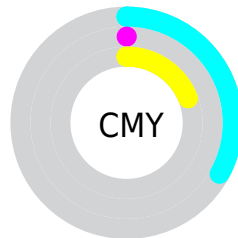
- Red (67%)
- Green (100%)
- Blue (81%)



- Red (67%)
- Yellow (90%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)



- Cyan (33%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.6000, 84.5710, 72.0033 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 63.6000, 84.5710, 72.0033 by changing the saturation by 10% instead.


 63.6000, 84.5710,
72.0033

 63.6000, 84.5710,
72.0033


427.3689,
510.2075, 486.5309

 46.5872, 63.4870,
52.6745


 109.1116,
139.7736, 123.7690

 32.9161, 46.2353,
37.1571


138.3412,
174.6610, 157.0430

 22.2211, 32.4315,
25.0324


172.3738,
214.9184, 195.8024

 14.1369, 21.6913,
15.8819

211.5747,
260.9300, 240.4659

 8.2983, 13.6303,
9.2872

256.3093,
313.0803, 291.4520

 4.3398, 7.8640,
4.8296

306.9430,

 1.8961, 4.0080,

371.7537, 349.1791

2.0907

363.8410,
437.3346, 414.0659

■ 0.5746, 1.6781,
0.6102

■ 0.0000, 0.4094,
0.0000

■ 63.6000, 84.5710,
72.0033

■ 63.6000, 84.5710,
72.0033

■ 56.9308, 81.3271,
62.9171

■ 71.5004, 88.4310,
81.9881

■ 51.4243, 78.6646,
54.6998

■ 80.6909, 92.9370,
92.8916

■ 47.0083, 76.5467,
47.3262

■ 91.2292, 98.1185,
104.7384

■ 43.6011, 74.9319,
40.7683

95.0500, 100.0000,
108.9000

■ 41.1090, 73.7723,
34.9959

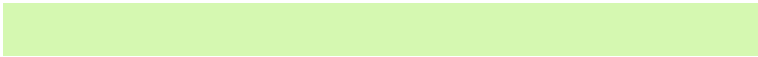
■ 39.4182, 73.0100,
29.9769

■ 38.6294, 72.6678,
27.0302

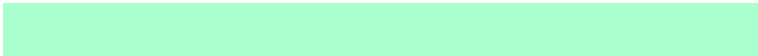
Harmonies

Analogous

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



69.0732, 84.5710, 54.1816



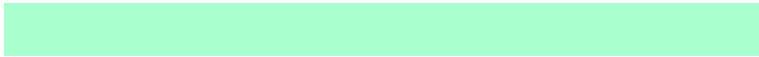
63.6000, 84.5710, 72.0033



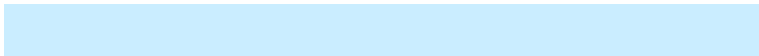
62.4346, 84.5710, 99.3635

Triad

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



63.6000, 84.5710, 72.0033



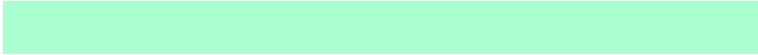
82.8855, 84.5710, 159.8923



97.0473, 84.5710, 62.0670

Complementary

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



63.6000, 84.5710, 72.0033



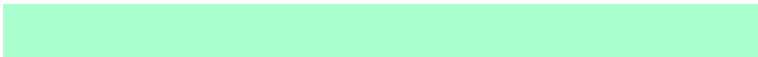
68.2699, 55.0721, 73.3612

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.



101.4766, 84.5710, 85.1680



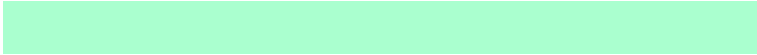
63.6000, 84.5710, 72.0033



92.8627, 84.5710, 144.4922

Square

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



63.6000, 84.5710, 72.0033



73.0253, 84.5710, 154.2878



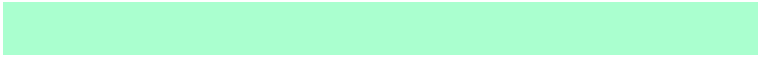
99.8839, 84.5710, 115.5876



88.2173, 84.5710, 49.3500

Rectangle

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



63.6000, 84.5710, 72.0033



64.1589, 84.5710, 120.3058



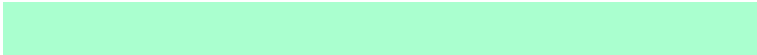
99.8839, 84.5710, 115.5876



99.1329, 84.5710, 68.6608

Sweetspot

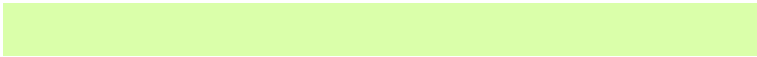
The Sweet Spot groups the original color and five complimentary colors.



63.6007, 84.5714, 72.0047



84.0504, 94.5874, 96.7337



71.9794, 89.3536, 51.4844



17.6831, 20.0947, 20.3554



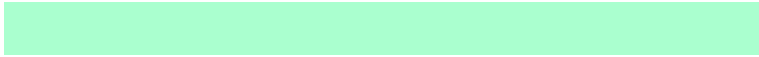
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

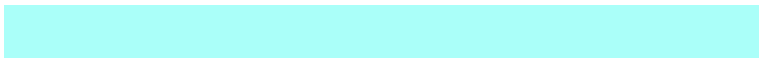
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.6007, 84.5714, 72.0047



59.0210, 82.3419, 65.8476



69.4889, 86.9266, 103.0115



18.0999, 20.2995, 20.8292



20.2565, 37.9992, 14.5018



2.0260, 3.7213, 1.6945

Inverse Universe

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



68.2699, 55.0721, 73.3612



64.3388, 48.7255, 67.3785



63.4188, 53.1316, 47.8154



18.4391, 18.1589, 20.9292



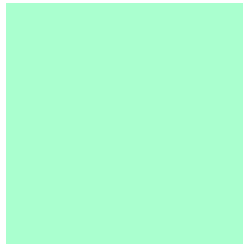
24.2554, 12.1915, 15.2614



2.4166, 1.2090, 1.7750

Previews

White Background



This preview shows how the XYZ color 63.6000, 84.5710, 72.0033 looks on a white background.

Color Contrast Check

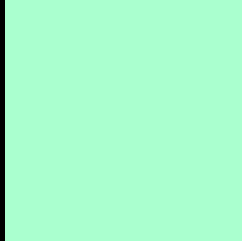
Large Text (above 18pt) WCAG AA × Fail

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 63.6000, 84.5710, 72.0033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

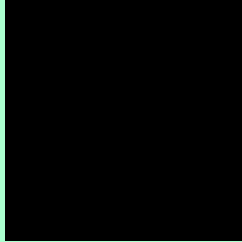
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.6000, 84.5710, 72.0033

Background



This preview shows how black text looks on a background with the XYZ color 63.6000, 84.5710, 72.0033.

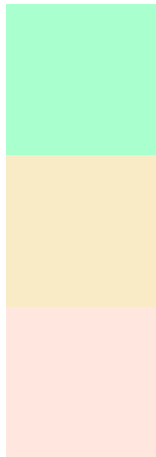


This preview shows how white text looks on a background with the XYZ color 63.6000, 84.5710,

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

63.6000, 84.5710, 72.0033

Protanopia

78.8533, 83.5876, 64.8013

Deuteranopia

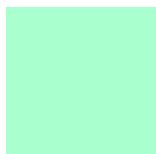
83.1352, 83.7395, 81.5937



Tritanopia

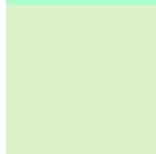
75.5542, 84.4430, 106.9247

Trichromacy



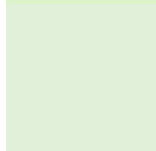
Original Color

63.6000, 84.5710, 72.0033



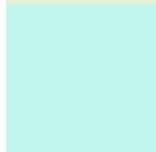
Protanomaly

71.8099, 82.9370, 67.4820



Deuteranomaly

74.4249, 83.1772, 77.7778



Tritanomaly

70.6857, 84.0320, 93.3832

Monochromacy



Original Color

63.6000, 84.5710, 72.0033



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

67.2651, 77.3160, 77.7079

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6000, 84.5710, 72.0033 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(170, 255, 207)` looks like.

```
.text, #text, p{  
    color:rgb(170, 255, 207)  
}
```

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(170, 255, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 255, 207) }
```

Border

The CSS property to change the border of an element to XYZ 63.6000, 84.5710, 72.0033 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(170, 255, 207) }
```


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

```
.border{ border-color:rgb(170, 255, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 255, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 255, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 255, 207);  
box-shadow:4px 4px 4px 4px rgb(170, 255,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6000, 84.5710, 72.0033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 255, 207) }
```

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

```
.background{ background-color: rgb(170,  
255, 207) }
```

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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