

Converting Colors

XYZ(79.8652, 117.7742,
75.6745)

Have a look what the booklet for
XYZ(79.8652, 117.7742, 75.6745)
contains.

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Color

**XYZ(63.2366, 84.4257,
70.0896)**

Conversions

Conversions Part 1

Format	Color
Hex	AAFFCC
RGB	170, 255, 204
RGB Percent	67%, 100%, 80%
CMY	0.3333, 0.0000, 0.2000
CMYK	0.33, 0.00, 0.20, 0.00
HSL	144°, 100%, 83%
HSV	144°, 33%, 100%
XYZ	63.2366, 84.4257, 70.0896
YIQ	223.7710, -34.2890, -33.8810

Conversions

Conversions Part 2

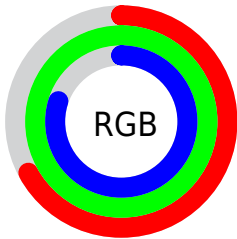
Format	Color
RYB	170, 231, 255
Decimal	11206604
CIELab	93.64, -36.07, 16.34
CIElCh	94, 39.597, 155.631
Yxy	84.4257, 0.2904, 0.3877
Android (android.graphics.Color)	4289396684 (0xFFAAFFCC)
YUV	223.7710, -9.7471, -47.1572
Hunter-Lab	91.8835, -37.9477, 19.0914

Details

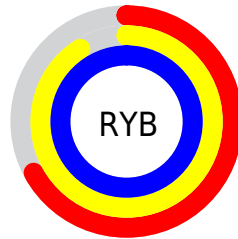
The XYZ color **63.2366, 84.4257, 70.0896** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **68.6661, 55.2305, 75.4478**, and the grayscale version is **70.7726, 74.4583, 81.0851**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **32.7693, 46.2350, 36.0513** is the 20% darker color. If you saturate the color by 10%, you get **56.5025, 81.1558, 60.6616**, and if you desaturate by 10%, it is **71.2215, 88.3194, 80.5199**.

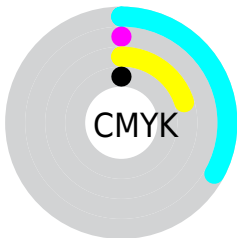
Distribution



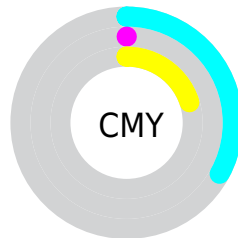
- Red (67%)
- Green (100%)
- Blue (80%)



- Red (67%)
- Yellow (91%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)




- Cyan (33%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.2366, 84.4257, 70.0896 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 63.2366, 84.4257, 70.0896 by changing the saturation by 10% instead.


 63.2366, 84.4257,
70.0896

 63.2366, 84.4257,
70.0896


426.0737,
509.7258, 479.6622

 46.2920, 63.3670,
51.1223


 108.5907,
139.5705, 121.0188

 32.6819, 46.1381,
35.9286


137.7309,
174.4254, 153.8179

 22.0409, 32.3548,
24.0898


171.6670,
214.6477, 192.0646

 14.0038, 21.6327,
15.1874

210.7644,
260.6220, 236.1775

 8.2050, 13.5872,
8.8029

255.3884,
312.7325, 286.5752

 4.2793, 7.8342,
4.5178

305.9044,

 1.8613, 3.9890,

371.3637, 343.6762

1.9135

362.6777,
436.9000, 407.8990

■ 0.5542, 1.6674,
0.5013

■ 0.0000, 0.4024,
0.0000

■ 63.2366, 84.4257,
70.0896

■ 63.2366, 84.4257,
70.0896

■ 56.5025, 81.1558,
60.6616

■ 71.2215, 88.3194,
80.5199

■ 50.9499, 78.4748,
52.2016

■ 80.5172, 92.8676,
91.9772

■ 46.5056, 76.3456,
44.6794

■ 91.1821, 98.0996,
104.4905

■ 43.0871, 74.7262,
38.0613

95.0500, 100.0000,
108.9000

■ 40.5992, 73.5684,
32.3116

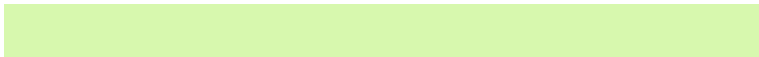
■ 38.9272, 72.8136,
27.3916

■ 38.1584, 72.4794,
24.5500

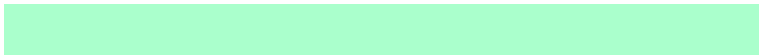
Harmonies

Analogous

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



69.0573, 84.4257, 52.5117



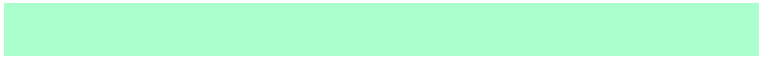
63.2366, 84.4257, 70.0896



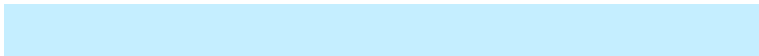
61.7974, 84.4257, 97.7107

Triad

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



63.2366, 84.4257, 70.0896



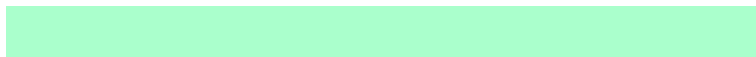
82.2396, 84.4257, 162.2338



97.7811, 84.4257, 62.2110

Complementary

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



63.2366, 84.4257, 70.0896



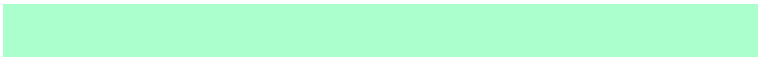
68.6661, 55.2305, 75.4478

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.



102.0387, 84.4257, 86.3728



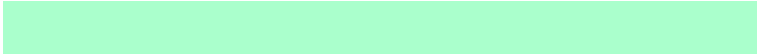
63.2366, 84.4257, 70.0896



92.5781, 84.4257, 147.3279

Square

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



63.2366, 84.4257, 70.0896



72.2055, 84.4257, 155.2276



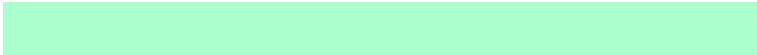
100.0565, 84.4257, 117.8815



88.8582, 84.4257, 48.7053

Rectangle

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



63.2366, 84.4257, 70.0896



63.3969, 84.4257, 119.2473



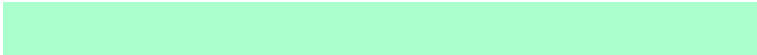
100.0565, 84.4257, 117.8815



99.8392, 84.4257, 69.1319

Sweetspot

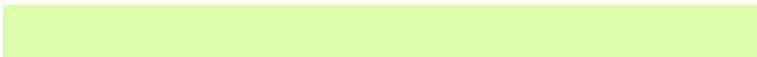
The Sweet Spot groups the original color and five complimentary colors.



63.2373, 84.4260, 70.0910



83.9166, 94.5339, 96.0289



72.8349, 89.7946, 51.5243



17.6508, 20.0817, 20.1853



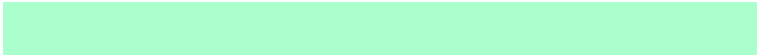
0.0000, 0.0000, 0.0000



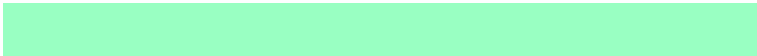
20.3446, 21.4041, 23.3091

Same Dimension

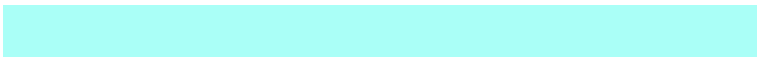
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.2373, 84.4260, 70.0910



58.6122, 82.1784, 63.6949



69.0494, 86.7508, 100.6971



18.0726, 20.2886, 20.6852



20.0074, 37.8996, 13.1903



2.0003, 3.7110, 1.5592

Inverse Universe

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



68.6661, 55.2305, 75.4478



64.7942, 48.9077, 69.7765



63.7014, 53.2446, 49.3038



18.4670, 18.1701, 21.0764



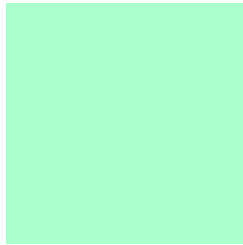
24.6288, 12.3408, 17.2275



2.4520, 1.2232, 1.9617

Previews

White Background



This preview shows how the XYZ color 63.2366, 84.4257, 70.0896 looks on a white background.

Color Contrast Check

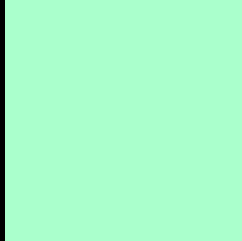
Large Text (above 18pt) WCAG AA × Fail

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 63.2366, 84.4257, 70.0896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

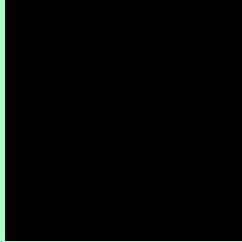
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

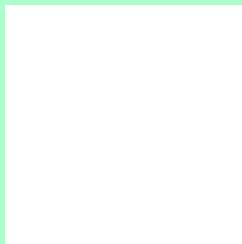
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.2366, 84.4257, 70.0896

Background



This preview shows how black text looks on a background with the XYZ color 63.2366, 84.4257, 70.0896.



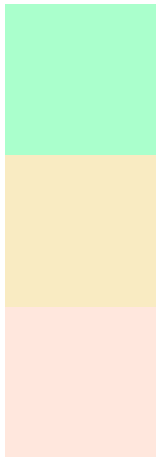
This preview shows how white text looks on a background with the XYZ color 63.2366, 84.4257,

70.0896.

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

63.2366, 84.4257, 70.0896

Protanopia

78.5129, 83.4514, 63.0086

Deuteranopia

82.8671, 83.6323, 80.1817



Tritanopia

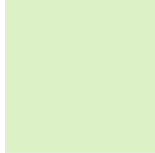
74.9790, 83.7034, 106.8123

Trichromacy



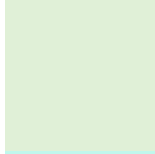
Original Color

63.2366, 84.4257, 70.0896



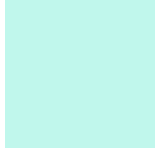
Protanomaly

71.4604, 82.7971, 65.6412



Deuteranomaly

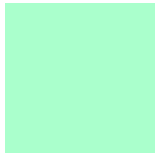
74.1663, 83.0738, 76.4158



Tritanomaly

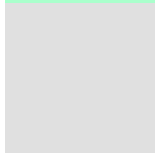
70.1393, 83.7841, 91.8321

Monochromacy



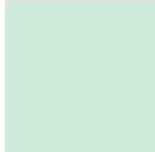
Original Color

63.2366, 84.4257, 70.0896



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

67.1346, 77.2638, 77.0207

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.2366, 84.4257, 70.0896 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(170, 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(170, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 255, 204) }
```

Border

The CSS property to change the border of an element to XYZ 63.2366, 84.4257, 70.0896 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, 204) }
```


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

```
.border{ border-color:rgb(170, 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(170, 255, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(170, 255,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 63.2366, 84.4257, 70.0896 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, 204) }
```

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

```
.background{ background-color: rgb(170,  
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](#).

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