

Converting Colors

XYZ(64.1680, 84.8067, 74.6080)

Have a look what the booklet for
XYZ(64.1680, 84.8067, 74.6080)
contains.

XYZ(64.0954, 84.7692, 74.6119)	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(64.0954, 84.7692,
74.6119)**

Conversions

Conversions Part 1

Format	Color
Hex	AAFFD3
RGB	170, 255, 211
RGB Percent	67%, 100%, 83%
CMY	0.3333, 0.0000, 0.1725
CMYK	0.33, 0.00, 0.17, 0.00
HSL	149°, 100%, 83%
HSV	149°, 33%, 100%
XYZ	64.0954, 84.7692, 74.6119
YIQ	224.5690, -36.5360, -31.7040

Conversions

Conversions Part 2

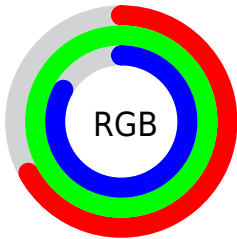
Format	Color
RYB	170, 227, 255
Decimal	11206611
CIELab	93.78, -34.74, 12.96
CIELCh	94, 37.080, 159.546
Yxy	84.7692, 0.2868, 0.3793
Android (android.graphics.Color)	4289396691 (0xFFAAFFD3)
YUV	224.5690, -6.6895, -47.8570
Hunter-Lab	92.0702, -36.8586, 16.4017

Details

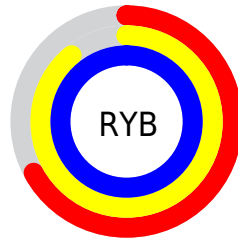
The XYZ color **64.0954, 84.7692, 74.6119** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **67.7527, 54.8653, 70.6374**, and the grayscale version is **71.3237, 75.0381, 81.7165**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **33.2651, 46.4333, 38.6618** is the 20% darker color. If you saturate the color by 10%, you get **57.5197, 81.5627, 66.0182**, and if you desaturate by 10%, it is **71.8776, 88.5819, 83.9742**.

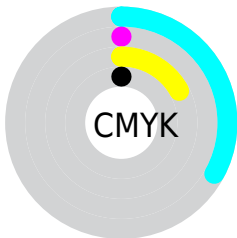
Distribution



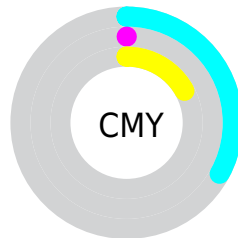
- Red (67%)
- Green (100%)
- Blue (83%)



- Red (67%)
- Yellow (89%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.0954, 84.7692, 74.6119 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 64.0954, 84.7692, 74.6119 by changing the saturation by 10% instead.

 64.0954, 84.7692,
74.6119

 64.0954, 84.7692,
74.6119


429.1308,
510.8641, 495.8023

 46.9899, 63.6507,
54.7952


 109.8213,
140.0507, 127.5049

 33.2356, 46.3678,
38.8403


139.1724,
174.9824, 161.4182

 22.4671, 32.5362,
26.3286


173.3361,
215.2874, 200.8675

 14.3190, 21.7714,
16.8417

212.6777,
261.3499, 246.2713

 8.4261, 13.6890,
9.9609

257.5627,
313.5545, 298.0482

 4.4229, 7.9047,
5.2678

308.3563,

 1.9440, 4.0340,

372.2854, 356.6166

2.3437

365.4239,
437.9271, 422.3951

■ 0.6022, 1.6926,
0.7556

■ 0.0000, 0.4189,
0.0000

■ 64.0954, 84.7692,
74.6119

■ 64.0954, 84.7692,
74.6119

■ 57.5197, 81.5627,
66.0182

■ 71.8776, 88.5819,
83.9742

■ 52.0831, 78.9281,
58.1689

■ 80.9242, 93.0304,
94.1201

■ 47.7143, 76.8291,
51.0444

■ 91.2921, 98.1436,
105.0695

■ 44.3331, 75.2246,
44.6227

95.0500, 100.0000,
108.9000

■ 41.8466, 74.0673,
38.8804

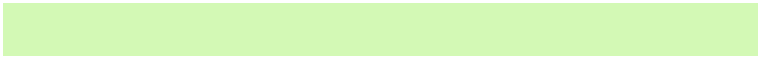
■ 40.1426, 73.2998,
33.7920

■ 39.3353, 72.9501,
30.7475

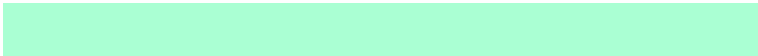
Harmonies

Analogous

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



69.1029, 84.7692, 56.4718



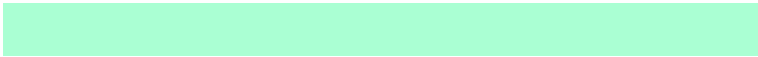
64.0954, 84.7692, 74.6119



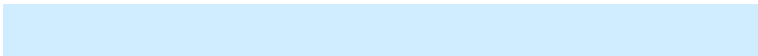
63.2987, 84.7692, 101.5908

Triad

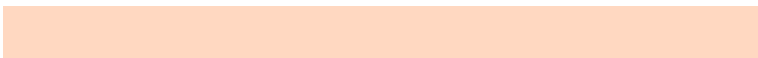
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.0954, 84.7692, 74.6119



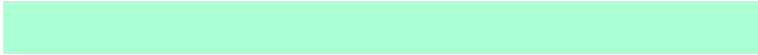
83.7528, 84.7692, 156.7910



96.0759, 84.7692, 61.8909

Complementary

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



64.0954, 84.7692, 74.6119



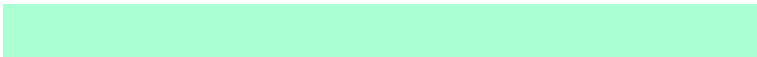
67.7527, 54.8653, 70.6374

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.



100.7291, 84.7692, 83.5923



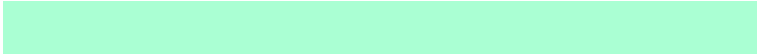
64.0954, 84.7692, 74.6119



93.2416, 84.7692, 140.7635

Square

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



64.0954, 84.7692, 74.6119



74.1315, 84.7692, 153.0223



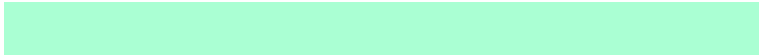
99.6516, 84.7692, 112.5818



87.3721, 84.7692, 50.2333

Rectangle

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



64.0954, 84.7692, 74.6119



65.1911, 84.7692, 121.7155



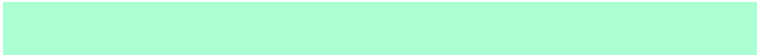
99.6516, 84.7692, 112.5818



98.1966, 84.7692, 68.0510

Sweetspot

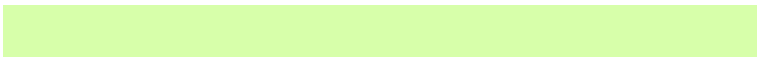
The Sweet Spot groups the original color and five complimentary colors.



64.0961, 84.7695, 74.6133



84.2299, 94.6592, 97.6789



71.1385, 88.9201, 51.4451



17.7264, 20.1120, 20.5837



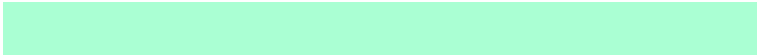
0.0000, 0.0000, 0.0000



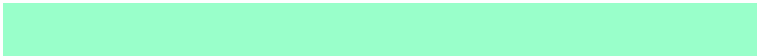
20.3446, 21.4041, 23.3091

Same Dimension

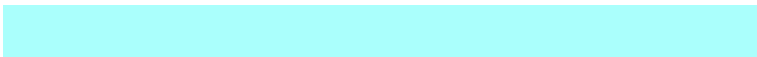
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.0961, 84.7695, 74.6133



59.5814, 82.5661, 68.7987



69.9351, 87.1051, 105.3611



18.1366, 20.3142, 21.0222



20.6282, 38.1479, 16.4592



2.0634, 3.7363, 1.8916

Inverse Universe

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



67.7527, 54.8653, 70.6374



63.7474, 48.4889, 64.2639



63.1420, 53.0210, 46.3578



18.4020, 18.1441, 20.7341



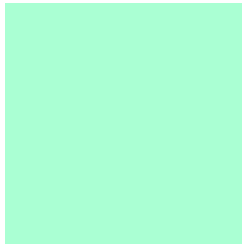
23.8008, 12.0096, 12.8675



2.3726, 1.1914, 1.5437

Previews

White Background



This preview shows how the XYZ color 64.0954, 84.7692, 74.6119 looks on a white background.

Color Contrast Check

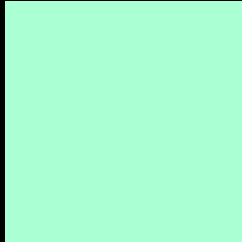
Large Text (above 18pt) WCAG AA × Fail

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 64.0954, 84.7692, 74.6119 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 64.0954, 84.7692, 74.6119

Background



This preview shows how black text looks on a background with the XYZ color 64.0954, 84.7692, 74.6119.

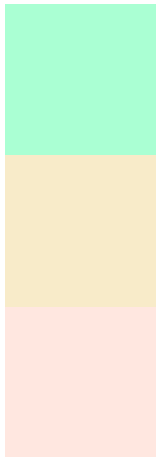


This preview shows how white text looks on a background with the XYZ color 64.0954, 84.7692,

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

64.0954, 84.7692, 74.6119

Protanopia

78.9623, 83.5902, 67.2311

Deuteranopia

83.2705, 83.7936, 82.3060



Tritanopia

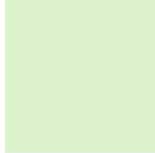
75.5542, 84.4430, 106.9247

Trichromacy



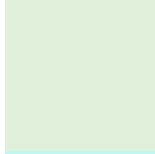
Original Color

64.0954, 84.7692, 74.6119



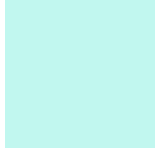
Protanomaly

72.2868, 83.1277, 69.9929



Deuteranomaly

74.6867, 83.2819, 79.1564



Tritanomaly

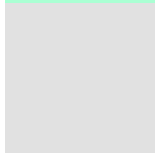
70.8331, 84.0910, 94.1592

Monochromacy



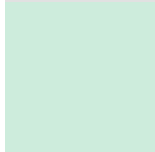
Original Color

64.0954, 84.7692, 74.6119



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

68.0906, 78.1373, 79.2034

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.0954, 84.7692, 74.6119 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, 211)` looks like.

```
.text, #text, p{  
    color:rgb(170, 255, 211)  
}
```

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, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 255, 211) }
```

Border

The CSS property to change the border of an element to XYZ 64.0954, 84.7692, 74.6119 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, 211) }
```


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

```
.border{ border-color:rgb(170, 255, 211) }
```

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, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 255, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 255, 211);  
box-shadow:4px 4px 4px 4px rgb(170, 255,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 64.0954, 84.7692, 74.6119 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, 211) }
```

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

```
.background{ background-color: rgb(170,  
255, 211) }
```

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