

Converting Colors

XYZ(64.2030, 84.6658, 81.7934)

Have a look what the booklet for
XYZ(64.2030, 84.6658, 81.7934)
contains.

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Color

**XYZ(64.2547, 84.6864,
82.0668)**

Conversions

Conversions Part 1

Format	Color
Hex	A4FFDE
RGB	164, 255, 222
RGB Percent	64%, 100%, 87%
CMY	0.3569, 0.0000, 0.1294
CMYK	0.36, 0.00, 0.13, 0.00
HSL	158°, 100%, 82%
HSV	158°, 36%, 100%
XYZ	64.2547, 84.6864, 82.0668
YIQ	224.0290, -43.6430, -29.5550

Conversions

Conversions Part 2

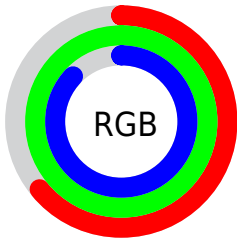
Format	Color
RYB	164, 220, 255
Decimal	10813406
CIELab	93.75, -34.23, 7.21
CIELCh	94, 34.976, 168.106
Yxy	84.6864, 0.2781, 0.3666
Android (android.graphics.Color)	4289003486 (0xFFA4FFDE)
YUV	224.0290, -1.0003, -52.6454
Hunter-Lab	92.0252, -36.4102, 11.5437

Details

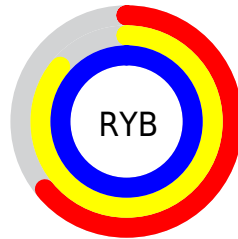
The XYZ color **64.2547, 84.6864, 82.0668** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **64.5942, 51.8433, 59.4263**, and the grayscale version is **70.9015, 74.5939, 81.2328**.

A 20% lighter version of the original color is **83.6288, 94.1122, 108.3655**, and **33.3535, 46.3663, 43.7509** is the 20% darker color. If you saturate the color by 10%, you get **58.3038, 81.7580, 75.4958**, and if you desaturate by 10%, it is **71.3303, 88.1869, 89.0481**.

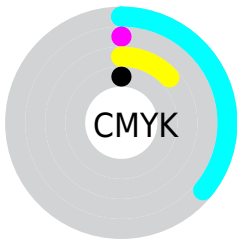
Distribution



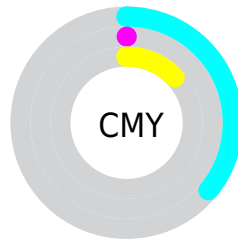
- Red (64%)
- Green (100%)
- Blue (87%)



- Red (64%)
- Yellow (86%)
- Blue (100%)



- Cyan (36%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)




- Cyan (36%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.2547, 84.6864, 82.0668 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 64.2547, 84.6864, 82.0668 by changing the saturation by 10% instead.


 64.2547, 84.6864,
82.0668

 64.2547, 84.6864,
82.0668


429.6965,
510.5898, 521.7604

 47.1194, 63.5823,
60.8845

 110.0494,
139.9349, 138.1052

 33.3384, 46.3124,
43.7020


 139.4395,
174.8482, 173.7983

 22.5463, 32.4924,
30.1008


173.6452,
215.1332, 215.1655

 14.3777, 21.7379,
19.6624

213.0320,
261.1745, 262.6252

 8.4673, 13.6644,
11.9683

257.9652,
313.3564, 316.5960

 4.4497, 7.8877,
6.5998

308.8101,

 1.9596, 4.0231,

372.0633, 377.4965

3.1385

365.9321,
437.6797, 445.7451

■ 0.6111, 1.6865,
1.1658

■ 0.0000, 0.4149,
0.0000

■ 64.2547, 84.6864,
82.0668

■ 64.2547, 84.6864,
82.0668

■ 58.3038, 81.7580,
75.4958

■ 71.3303, 88.1869,
89.0481

■ 53.4106, 79.3670,
69.3222

■ 79.5872, 92.2883,
96.4437

■ 49.5046, 77.4773,
63.5382

■ 89.0813, 97.0195,
104.2629

■ 46.5052, 76.0476,
58.1343

95.0500, 100.0000,
108.9000

■ 44.3187, 75.0296,
53.0998

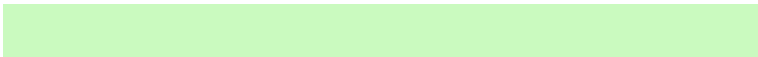
■ 42.8288, 74.3635,
48.4233

■ 42.3288, 74.1475,
46.5109

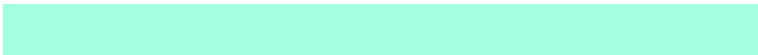
Harmonies

Analogous

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



67.9198, 84.6864, 62.1060



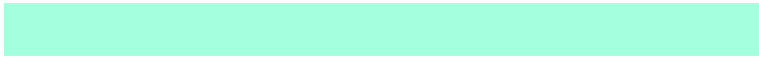
64.2547, 84.6864, 82.0668



64.6866, 84.6864, 109.0300

Triad

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



64.2547, 84.6864, 82.0668



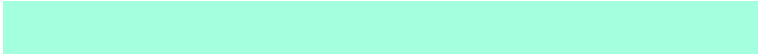
86.1689, 84.6864, 149.8486



93.0123, 84.6864, 59.1439

Complementary

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



64.2547, 84.6864, 82.0668



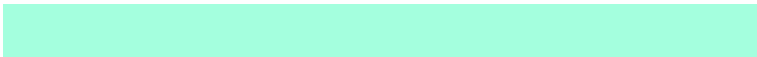
64.5942, 51.8433, 59.4263

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.



98.6824, 84.6864, 77.2138



64.2547, 84.6864, 82.0668



94.5269, 84.6864, 130.7411

Square

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



64.2547, 84.6864, 82.0668



76.8679, 84.6864, 151.8395



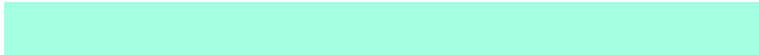
99.2571, 84.6864, 103.1544



84.2280, 84.6864, 50.6787

Rectangle

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



64.2547, 84.6864, 82.0668



67.2445, 84.6864, 127.5001



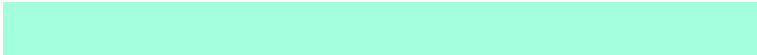
99.2571, 84.6864, 103.1544



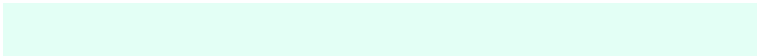
95.3739, 84.6864, 64.1169

Sweetspot

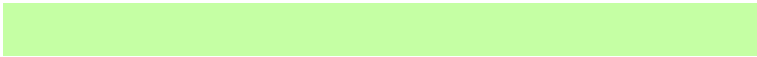
The Sweet Spot groups the original color and five complimentary colors.



64.2556, 84.6869, 82.0682



83.8780, 94.4249, 100.0538



65.5837, 86.1206, 48.2898



17.6815, 20.0754, 21.1899



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

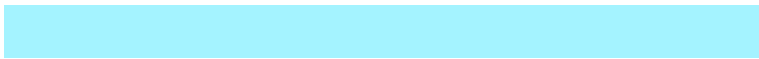
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.2556, 84.6869, 82.0682



59.7952, 82.4901, 77.2210



65.3713, 79.1345, 106.4368



18.2589, 20.3631, 21.6665



22.1919, 38.7733, 24.6934



2.2132, 3.7962, 2.6804

Inverse Universe

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



64.5942, 51.8433, 59.4263



60.1878, 45.1255, 51.4989



63.4931, 55.0445, 42.4016



18.2816, 18.0959, 20.0999



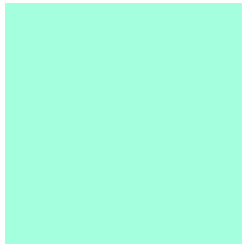
22.6339, 11.5429, 6.7228



2.2540, 1.1440, 0.9188

Previews

White Background



This preview shows how the XYZ color 64.2547, 84.6864, 82.0668 looks on a white background.

Color Contrast Check

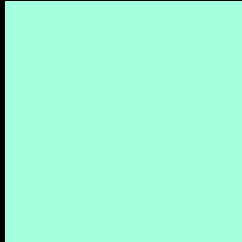
Large Text (above 18pt) WCAG AA × Fail

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 64.2547, 84.6864, 82.0668 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 64.2547, 84.6864, 82.0668

Background



This preview shows how black text looks on a background with the XYZ color 64.2547, 84.6864, 82.0668.



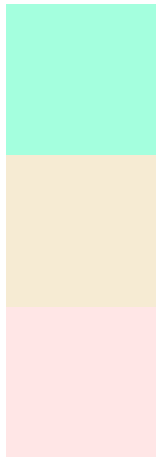
This preview shows how white text looks on a background with the XYZ color 64.2547, 84.6864,

82.0668.

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

64.2547, 84.6864, 82.0668

Protanopia

79.4722, 83.7126, 73.5975

Deuteranopia

83.8197, 83.5668, 86.5751



Tritanopia

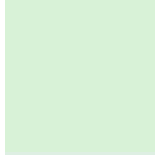
75.0024, 84.1586, 106.8989

Trichromacy



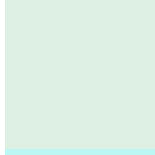
Original Color

64.2547, 84.6864, 82.0668



Protanomaly

72.3368, 83.0095, 76.4999



Deuteranomaly

74.8558, 82.8087, 84.7114



Tritanomaly

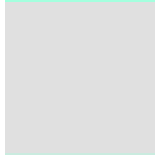
70.4247, 83.8114, 97.2595

Monochromacy



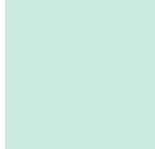
Original Color

64.2547, 84.6864, 82.0668



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

67.3847, 77.3009, 81.1811

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.2547, 84.6864, 82.0668 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, 222)` looks like.

```
.text, #text, p{  
    color:rgb(164, 255, 222)  
}
```

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, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 255, 222) }
```

Border

The CSS property to change the border of an element to XYZ 64.2547, 84.6864, 82.0668 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, 222) }
```


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

```
.border{ border-color:rgb(164, 255, 222) }
```

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, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 255, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 255, 222);  
box-shadow:4px 4px 4px 4px rgb(164, 255,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2547, 84.6864, 82.0668 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, 222) }
```

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

```
.background{ background-color: rgb(164,  
255, 222) }
```

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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