

Converting Colors

XYZ(65.6741, 86.9305, 87.0810)

Have a look what the booklet for
XYZ(65.6741, 86.9305, 87.0810)
contains.

XYZ(64.6008, 84.7542, 87.0831)	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(64.6008, 84.7542,
87.0831)**

Conversions

Conversions Part 1

Format	Color
Hex	A1FFE5
RGB	161, 255, 229
RGB Percent	63%, 100%, 90%
CMY	0.3686, 0.0000, 0.1020
CMYK	0.37, 0.00, 0.10, 0.00
HSL	163°, 100%, 82%
HSV	163°, 37%, 100%
XYZ	64.6008, 84.7542, 87.0831
YIQ	223.9300, -47.6780, -28.0140

Conversions

Conversions Part 2

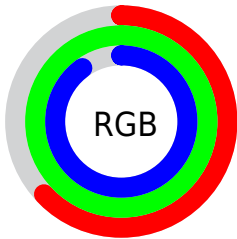
Format	Color
R_{YB}	161, 216, 255
Decimal	10616805
CIE _{Lab}	93.78, -33.56, 3.62
CIE _{LCh}	94, 33.760, 173.838
Yxy	84.7542, 0.2732, 0.3585
Android (android.graphics.Color)	4288806885 (0xFFA1FFE5)
YUV	223.9300, 2.4995, -55.1896
Hunter-Lab	92.0620, -35.8535, 8.3600

Details

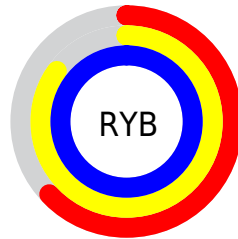
The XYZ color **64.6008, 84.7542, 87.0831** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **62.9552, 50.3388, 53.4127**, and the grayscale version is **70.8086, 74.4962, 81.1264**.

A 20% lighter version of the original color is **83.0234, 93.8001, 108.3372**, and **33.6598, 46.4474, 47.2356** is the 20% darker color. If you saturate the color by 10%, you get **59.0108, 81.9839, 81.7857**, and if you desaturate by 10%, it is **71.2805, 88.0816, 92.6432**.

Distribution



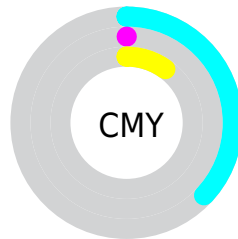
- Red (63%)
- Green (100%)
- Blue (90%)



- Red (63%)
- Yellow (85%)
- Blue (100%)



- Cyan (37%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (37%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.6008, 84.7542, 87.0831 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 64.6008, 84.7542, 87.0831 by changing the saturation by 10% instead.


 64.6008, 84.7542,
87.0831


 64.6008, 84.7542,
87.0831


430.9239,
510.8144, 538.8192

 47.4010, 63.6383,
65.0040

 110.5446,
140.0297, 145.1799

 33.5620, 46.3578,
47.0129


 140.0193,
174.9581, 182.0345

 22.7186, 32.5282,
32.6915


174.3164,
215.2595, 224.6515

 14.5054, 21.7653,
21.6210

213.8011,
261.3182, 273.4493

 8.5571, 13.6845,
13.3830

258.8389,
313.5186, 328.8464

 4.5082, 7.9016,
7.5590

309.7950,

 1.9935, 4.0320,

372.2452, 391.2614

3.7304

367.0349,
437.8823, 461.1128

■ 0.6303, 1.6915,
1.4786

■ 0.0000, 0.4181,
0.2019

■ 64.6008, 84.7542,
87.0831

■ 64.6008, 84.7542,
87.0831

■ 59.0108, 81.9839,
81.7857

■ 71.2805, 88.0816,
92.6432

■ 54.4432, 79.7362,
76.7411

■ 79.1062, 91.9951,
98.4668

■ 50.8272, 77.9745,
71.9451

■ 88.1338, 96.5235,
104.5603

■ 48.0818, 76.6571,
67.3912

95.0500, 100.0000,
108.9000

■ 46.1115, 75.7349,
63.0724

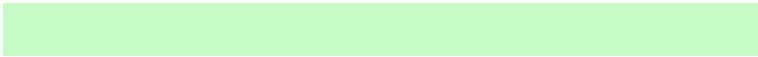
■ 44.7961, 75.1460,
58.9804

■ 44.4612, 75.0005,
57.7398

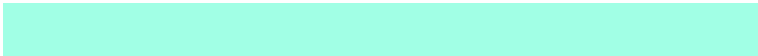
Harmonies

Analogous

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



67.4221, 84.7542, 66.1038



64.6008, 84.7542, 87.0831



65.7917, 84.7542, 113.7135

Triad

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



64.6008, 84.7542, 87.0831



87.7277, 84.7542, 145.2215



91.1649, 84.7542, 57.8807

Complementary

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



64.6008, 84.7542, 87.0831



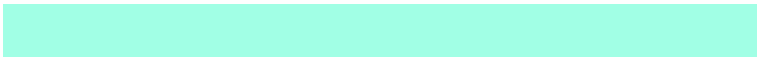
62.9552, 50.3388, 53.4127

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.



97.3795, 84.7542, 73.7297



64.6008, 84.7542, 87.0831



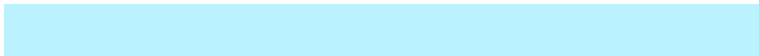
95.2943, 84.7542, 124.5957

Square

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



64.6008, 84.7542, 87.0831



78.7196, 84.7542, 150.5998



98.9439, 84.7542, 97.6857



82.4214, 84.7542, 51.3791

Rectangle

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



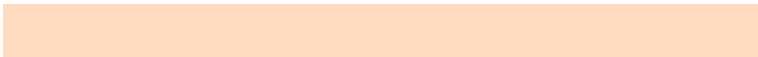
64.6008, 84.7542, 87.0831



68.7484, 84.7542, 130.8846



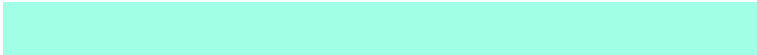
98.9439, 84.7542, 97.6857



93.6443, 84.7542, 62.1320

Sweetspot

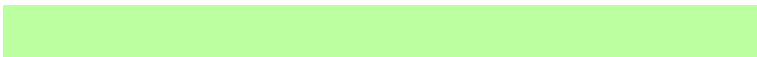
The Sweet Spot groups the original color and five complimentary colors.



64.6017, 84.7546, 87.0845



84.2486, 94.5731, 102.0055



62.8427, 84.7385, 46.7637



17.7701, 20.1108, 21.6564



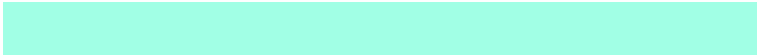
0.0000, 0.0000, 0.0000



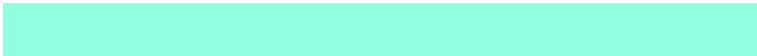
20.3446, 21.4041, 23.3091

Same Dimension

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



64.6017, 84.7546, 87.0845



60.5032, 82.7218, 83.2757



62.3522, 74.0047, 105.6058



18.3279, 20.3907, 22.0298



23.2984, 39.2160, 30.5205



2.3148, 3.8368, 3.2155

Inverse Universe

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



62.9552, 50.3388, 53.4127



58.6562, 43.8944, 45.3400



64.2723, 57.0314, 41.3403



18.2158, 18.0696, 19.7535



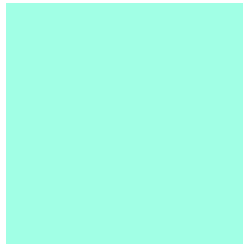
22.1890, 11.3649, 4.3799



2.2043, 1.1241, 0.6574

Previews

White Background



This preview shows how the XYZ color 64.6008, 84.7542, 87.0831 looks on a white background.

Color Contrast Check

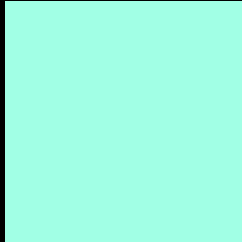
Large Text (above 18pt) WCAG AA × Fail

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 64.6008, 84.7542, 87.0831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

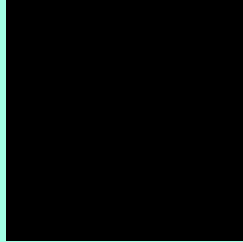
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

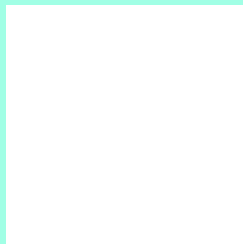
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.6008, 84.7542, 87.0831

Background



This preview shows how black text looks on a background with the XYZ color 64.6008, 84.7542, 87.0831.

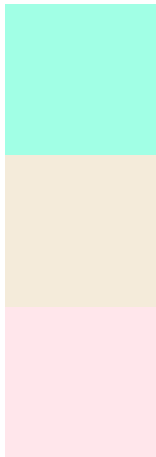


This preview shows how white text looks on a background with the XYZ color 64.6008, 84.7542,

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

64.6008, 84.7542, 87.0831

Protanopia

79.6714, 83.7117, 78.2885

Deuteranopia

84.5322, 83.8518, 90.3269



Tritanopia

74.7292, 84.0177, 106.8861

Trichromacy



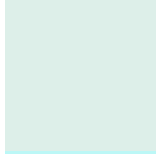
Original Color

64.6008, 84.7542, 87.0831



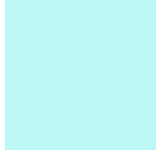
Protanomaly

72.6685, 83.0743, 81.3122



Deuteranomaly

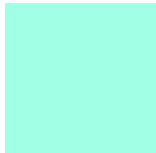
75.3933, 82.9883, 89.1355



Tritanomaly

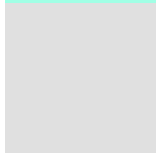
70.6344, 83.8667, 99.6538

Monochromacy



Original Color

64.6008, 84.7542, 87.0831



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

67.5232, 77.3252, 83.3179

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6008, 84.7542, 87.0831 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(161, 255, 229)` looks like.

```
.text, #text, p{  
    color:rgb(161, 255, 229)  
}
```

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(161, 255, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 255, 229) }
```

Border

The CSS property to change the border of an element to XYZ 64.6008, 84.7542, 87.0831 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(161, 255, 229) }
```


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

```
.border{ border-color:rgb(161, 255, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 255, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 255, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 255, 229);  
box-shadow:4px 4px 4px 4px rgb(161, 255,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6008, 84.7542, 87.0831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 255, 229) }
```

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

```
.background{ background-color: rgb(161,  
255, 229) }
```

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