

Converting Colors

XYZ(65.9388, 87.2278, 88.6735)

Have a look what the booklet for
XYZ(65.9388, 87.2278, 88.6735)
contains.

XYZ(64.6810, 84.7631, 88.5532)	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(64.6810, 84.7631,
88.5532)**

Conversions

Conversions Part 1

Format	Color
Hex	A0FFE7
RGB	160, 255, 231
RGB Percent	63%, 100%, 91%
CMY	0.3725, 0.0000, 0.0941
CMYK	0.37, 0.00, 0.09, 0.00
HSL	165°, 100%, 81%
HSV	165°, 37%, 100%
XYZ	64.6810, 84.7631, 88.5532
YIQ	223.8590, -48.9160, -27.6040

Conversions

Conversions Part 2

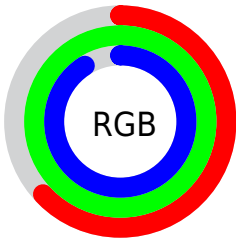
Format	Color
RYB	160, 214, 255
Decimal	10551271
CIELab	93.78, -33.40, 2.59
CIELCh	94, 33.500, 175.563
Yxy	84.7631, 0.2718, 0.3562
Android (android.graphics.Color)	4288741351 (0xFFA0FFE7)
YUV	223.8590, 3.5205, -56.0043
Hunter-Lab	92.0669, -35.7130, 7.4196

Details

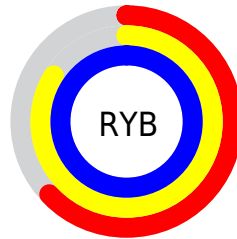
The XYZ color **64.6810, 84.7631, 88.5532** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **62.4632, 49.8634, 51.6805**, and the grayscale version is **70.7515, 74.4361, 81.0609**.

A 20% lighter version of the original color is **82.7234, 93.6454, 108.3231**, and **33.6409, 46.4264, 47.7456** is the 20% darker color. If you saturate the color by 10%, you get **59.2026, 82.0420, 83.6354**, and if you desaturate by 10%, it is **71.2402, 88.0374, 93.6993**.

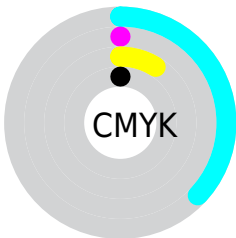
Distribution



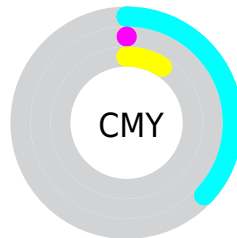
- Red (63%)
- Green (100%)
- Blue (91%)



- Red (63%)
- Yellow (84%)
- Blue (100%)



- Cyan (37%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (37%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.6810, 84.7631, 88.5532 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 64.6810, 84.7631, 88.5532 by changing the saturation by 10% instead.

 64.6810, 84.7631,
88.5532


 64.6810, 84.7631,
88.5532


431.2081,
510.8438, 543.7613

 47.4662, 63.6457,
66.2144


 110.6594,
140.0421, 147.2450

 33.6138, 46.3637,
47.9889


 140.1537,
174.9725, 184.4350

 22.7586, 32.5329,
33.4581


174.4718,
215.2760, 227.4125

 14.5351, 21.7689,
22.2037

213.9792,
261.3370, 276.5961

 8.5779, 13.6872,
13.8069

259.0412,
313.5399, 332.4042

 4.5218, 7.9034,
7.8493

310.0231,

 2.0014, 4.0332,

372.2691, 395.2554

3.9123

367.2902,
437.9089, 465.5683

■ 0.6347, 1.6922,
1.5773

■ 0.0000, 0.4186,
0.2746

■ 64.6810, 84.7631,
88.5532

■ 64.6810, 84.7631,
88.5532

■ 59.2026, 82.0420,
83.6354

■ 71.2402, 88.0374,
93.6993

■ 54.7374, 79.8396,
78.9365

■ 78.9366, 91.8941,
99.0738

■ 51.2147, 78.1191,
74.4528

■ 87.8261, 96.3618,
104.6826

■ 48.5529, 76.8388,
70.1786

95.0500, 100.0000,
108.9000

■ 46.6562, 75.9491,
66.1075

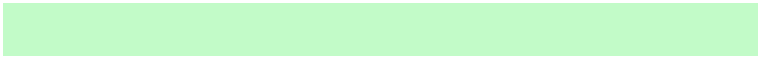
■ 45.4011, 75.3865,
62.2316

■ 45.1180, 75.2632,
61.1987

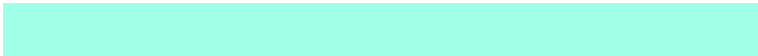
Harmonies

Analogous

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



67.2606, 84.7631, 67.2618



64.6810, 84.7631, 88.5532



66.0937, 84.7631, 115.0941

Triad

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



64.6810, 84.7631, 88.5532



88.1760, 84.7631, 143.9338



90.6335, 84.7631, 57.4890

Complementary

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



64.6810, 84.7631, 88.5532



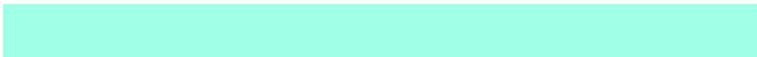
62.4632, 49.8634, 51.6805

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.



97.0075, 84.7631, 72.7209



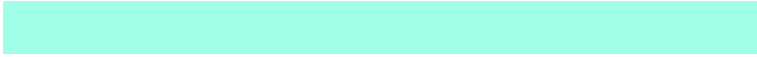
64.6810, 84.7631, 88.5532



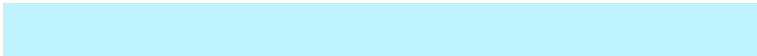
95.5170, 84.7631, 122.8706

Square

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



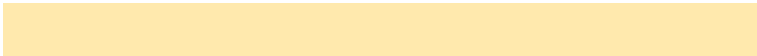
64.6810, 84.7631, 88.5532



79.2483, 84.7631, 150.2783



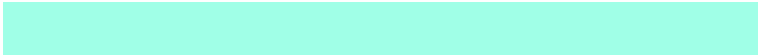
98.8568, 84.7631, 96.1358



81.8958, 84.7631, 51.5494

Rectangle

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



64.6810, 84.7631, 88.5532



69.1690, 84.7631, 131.8907



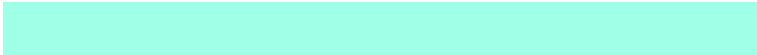
98.8568, 84.7631, 96.1358



93.1481, 84.7631, 61.5381

Sweetspot

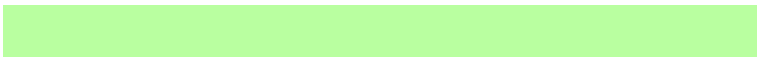
The Sweet Spot groups the original color and five complimentary colors.



64.6819, 84.7635, 88.5546



84.3527, 94.6147, 102.5536



62.1941, 84.4143, 46.2748



17.7950, 20.1208, 21.7875



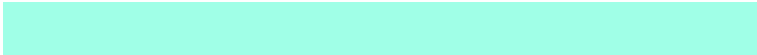
0.0000, 0.0000, 0.0000



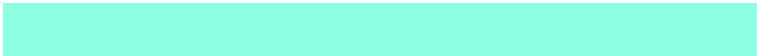
20.3446, 21.4041, 23.3091

Same Dimension

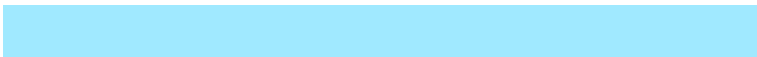
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.6819, 84.7635, 88.5546



60.3465, 82.6088, 84.7246



61.6398, 72.8778, 105.4258



18.3473, 20.3984, 22.1317



23.6385, 39.3520, 32.3112



2.3455, 3.8491, 3.3774

Inverse Universe

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



62.4632, 49.8634, 51.6805



57.8385, 42.9628, 42.8976



64.3480, 57.3234, 40.9322



18.1976, 18.0624, 19.6577



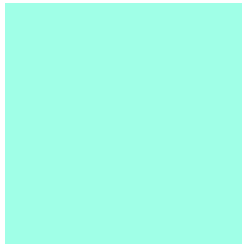
22.0888, 11.3248, 3.8520



2.1924, 1.1193, 0.5948

Previews

White Background



This preview shows how the XYZ color 64.6810, 84.7631, 88.5532 looks on a white background.

Color Contrast Check

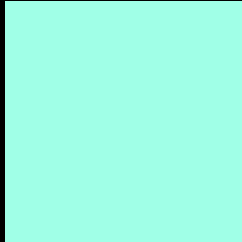
Large Text (above 18pt) WCAG AA × Fail

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 64.6810, 84.7631, 88.5532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

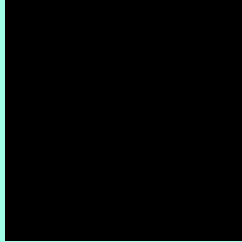
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.6810, 84.7631, 88.5532

Background



This preview shows how black text looks on a background with the XYZ color 64.6810, 84.7631, 88.5532.

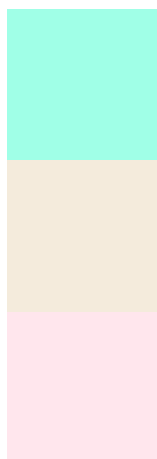


This preview shows how white text looks on a background with the XYZ color 64.6810, 84.7631,

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

64.6810, 84.7631, 88.5532

Protanopia

79.9348, 83.8171, 79.6754

Deuteranopia

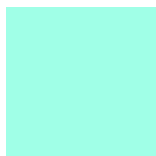
84.8229, 83.9681, 91.8576



Tritanopia

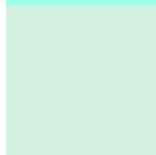
74.7292, 84.0177, 106.8861

Trichromacy



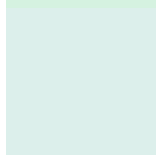
Original Color

64.6810, 84.7631, 88.5532



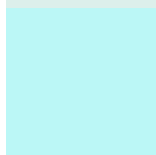
Protanomaly

72.6472, 83.0322, 82.7189



Deuteranomaly

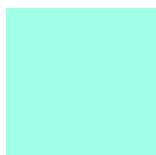
75.3771, 82.9468, 90.6348



Tritanomaly

70.3888, 83.7401, 99.6424

Monochromacy



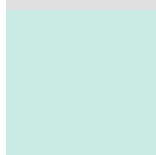
Original Color

64.6810, 84.7631, 88.5532



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

67.6609, 77.3802, 84.0428

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6810, 84.7631, 88.5532 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(160, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(160, 255, 231)  
}
```

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(160, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 255, 231) }
```

Border

The CSS property to change the border of an element to XYZ 64.6810, 84.7631, 88.5532 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(160, 255, 231) }
```


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

```
.border{ border-color:rgb(160, 255, 231) }
```

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

Here you see how a box with a 4 pixel rgb(160, 255, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(160, 255,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6810, 84.7631, 88.5532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 255, 231) }
```

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

```
.background{ background-color: rgb(160,  
255, 231) }
```

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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