

Converting Colors

XYZ(63.2270, 84.1853, 80.7237)

Have a look what the booklet for
XYZ(63.2270, 84.1853, 80.7237)
contains.

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Color

**XYZ(63.1755, 84.1609,
80.6251)**

Conversions

Conversions Part 1

Format	Color
Hex	A0FFDC
RGB	160, 255, 220
RGB Percent	63%, 100%, 86%
CMY	0.3725, 0.0000, 0.1372
CMYK	0.37, 0.00, 0.14, 0.00
HSL	158°, 100%, 81%
HSV	158°, 37%, 100%
XYZ	63.1755, 84.1609, 80.6251
YIQ	222.6050, -45.3850, -31.0250

Conversions

Conversions Part 2

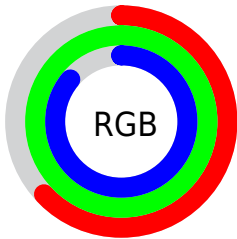
Format	Color
RYB	160, 218, 255
Decimal	10551260
CIELab	93.52, -35.72, 7.89
CIELCh	94, 36.576, 167.545
Yxy	84.1609, 0.2771, 0.3692
Android (android.graphics.Color)	4288741340 (0xFFA0FFDC)
YUV	222.6050, -1.2843, -54.9046
Hunter-Lab	91.7393, -37.6211, 12.1104

Details

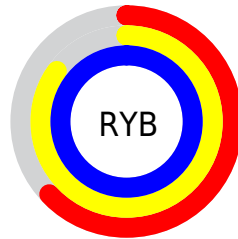
The XYZ color **63.1755, 84.1609, 80.6251** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **63.6618, 50.3428, 57.9922**, and the grayscale version is **69.8909, 73.5306, 80.0749**.

A 20% lighter version of the original color is **82.7234, 93.6454, 108.3231**, and **32.6945, 46.0478, 42.7622** is the 20% darker color. If you saturate the color by 10%, you get **57.3806, 81.3132, 74.0411**, and if you desaturate by 10%, it is **70.0874, 87.5763, 87.6292**.

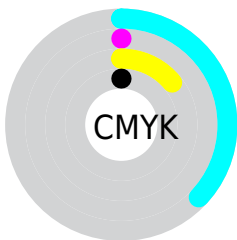
Distribution



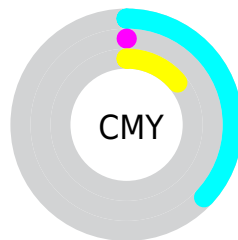
- Red (63%)
- Green (100%)
- Blue (86%)



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



- Cyan (37%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (37%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.1755, 84.1609, 80.6251 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 63.1755, 84.1609, 80.6251 by changing the saturation by 10% instead.


 63.1755, 84.1609,
80.6251


 63.1755, 84.1609,
80.6251


425.8557,
508.8474, 516.7992

 46.2424, 63.1483,
59.7037


 108.5031,
139.2002, 136.0636

 32.6426, 45.9612,
42.7561


 137.6282,
173.9957, 171.4177

 22.0107, 32.2152,
29.3638


171.5481,
214.1543, 212.4198

 13.9814, 21.5259,
19.1083

210.6280,
260.0604, 259.4885

 8.1893, 13.5090,
11.5709

255.2334,
312.0983, 313.0422

 4.2692, 7.7800,
6.3333

305.7296,

 1.8555, 3.9545,

370.6526, 373.4995

2.9767

362.4819,
436.1075, 441.2790

■ 0.5508, 1.6481,
1.0828

■ 0.0000, 0.3897,
0.0000

■ 63.1755, 84.1609,
80.6251

■ 63.1755, 84.1609,
80.6251

■ 57.3806, 81.3132,
74.0411

■ 70.0874, 87.5763,
87.6292

■ 52.6347, 78.9985,
67.8639

■ 78.1739, 91.5890,
95.0578

■ 48.8661, 77.1797,
62.0854

■ 87.4914, 96.2279,
102.9204

■ 45.9925, 75.8146,
56.6956

95.0500, 100.0000,
108.9000

■ 43.9171, 74.8535,
51.6836

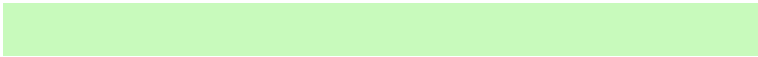
■ 42.5156, 74.2324,
47.0368

■ 42.1979, 74.0951,
45.8213

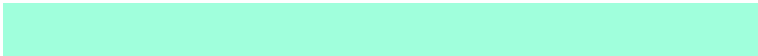
Harmonies

Analogous

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



67.0433, 84.1609, 60.1871



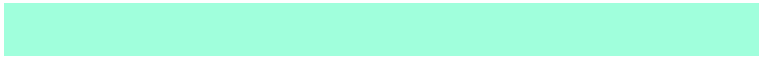
63.1755, 84.1609, 80.6251



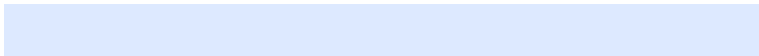
63.5413, 84.1609, 108.6448

Triad

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



63.1755, 84.1609, 80.6251



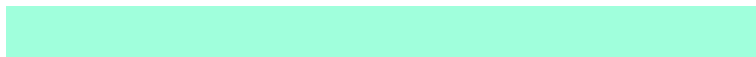
85.7293, 84.1609, 152.3648



93.2112, 84.1609, 57.6959

Complementary

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



63.1755, 84.1609, 80.6251



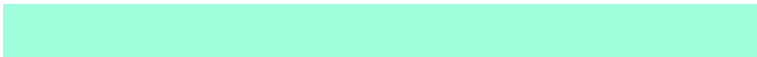
63.6618, 50.3428, 57.9922

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.



99.0629, 84.1609, 76.5037



63.1755, 84.1609, 80.6251



94.5099, 84.1609, 132.4864

Square

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



63.1755, 84.1609, 80.6251



76.0488, 84.1609, 154.0889



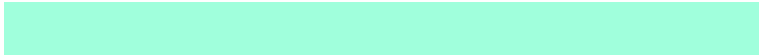
99.5565, 84.1609, 103.6083



84.0700, 84.1609, 48.8546

Rectangle

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



63.1755, 84.1609, 80.6251



66.1371, 84.1609, 128.0676



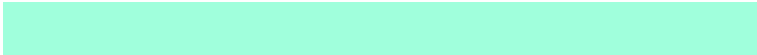
99.5565, 84.1609, 103.6083



95.6590, 84.1609, 62.8668

Sweetspot

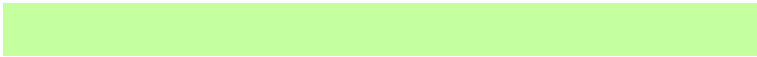
The Sweet Spot groups the original color and five complimentary colors.



63.1763, 84.1613, 80.6265



83.8533, 94.4150, 99.9235



64.9794, 85.8501, 46.4050



17.6756, 20.0730, 21.1588



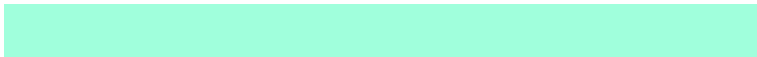
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



63.1763, 84.1613, 80.6265



58.5927, 81.9073, 75.4893



64.8735, 79.3453, 106.5037



18.2543, 20.3613, 21.6422



22.1238, 38.7461, 24.3348



2.2068, 3.7937, 2.6470

Inverse Universe

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



63.6618, 50.3428, 57.9922



59.1526, 43.4885, 49.8176



62.1646, 52.9565, 40.2043



18.2860, 18.0977, 20.1234



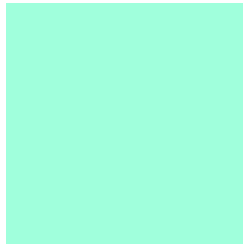
22.6688, 11.5568, 6.9065



2.2577, 1.1455, 0.9385

Previews

White Background



This preview shows how the XYZ color 63.1755, 84.1609, 80.6251 looks on a white background.

Color Contrast Check

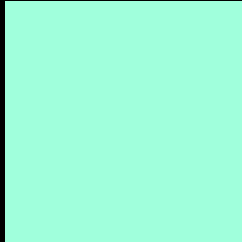
Large Text (above 18pt) WCAG AA × Fail

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 63.1755, 84.1609, 80.6251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

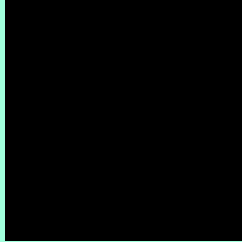
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.1755, 84.1609, 80.6251

Background



This preview shows how black text looks on a background with the XYZ color 63.1755, 84.1609, 80.6251.



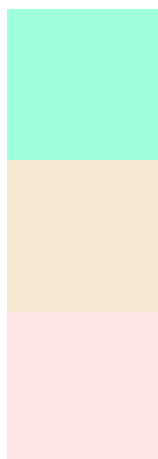
This preview shows how white text looks on a background with the XYZ color 63.1755, 84.1609, 80.6251.

80.6251.

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

63.1755, 84.1609, 80.6251

Protanopia

78.5876, 82.8616, 72.1735

Deuteranopia

83.2629, 82.9001, 85.0117



Tritanopia

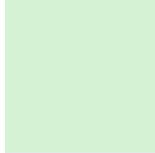
74.1880, 83.7387, 106.8608

Trichromacy



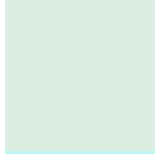
Original Color

63.1755, 84.1609, 80.6251



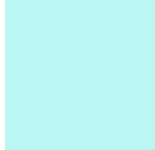
Protanomaly

71.4939, 82.6045, 75.1269



Deuteranomaly

73.6803, 81.8010, 83.1400



Tritanomaly

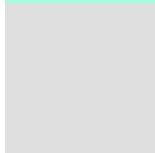
69.5375, 83.3714, 96.4317

Monochromacy



Original Color

63.1755, 84.1609, 80.6251



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

66.7126, 76.9699, 80.4478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.1755, 84.1609, 80.6251 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, 220)` looks like.

```
.text, #text, p{  
    color:rgb(160, 255, 220)  
}
```

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, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 255, 220) }
```

Border

The CSS property to change the border of an element to XYZ 63.1755, 84.1609, 80.6251 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, 220) }
```


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

```
.border{ border-color:rgb(160, 255, 220) }
```

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, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(160, 255, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(160, 255, 220); box-shadow:4px 4px 4px 4px rgb(160, 255, 220) }
```

Background

The CSS property to change the background color of an element to XYZ 63.1755, 84.1609, 80.6251 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, 220) }
```

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

```
.background{ background-color: rgb(160,  
255, 220) }
```

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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